

SOUMYA PRASAD CHANDRA

Kolkata West Bengal 700156

chandra02102000@gmail.com | [9091807057](tel:9091807057) | [Linkedin](#) | [GitHub](#)

Education

- | | |
|--|-------------|
| • Jain (Deemed-to-be University) — MCA CGPA : 9.0 | 2023 - 2025 |
| • Maulana Abul Kalam Azad University And Technology — B.SC CGPA : 9.02 | 2019 - 2022 |
| • Banipur Baniikatan High School — WBCHSE (Class XII) CGPA : 6.0 | 2018 - 2019 |
| • Habra High School — WBCE (Class X) CGPA : 7.2 | 2016 - 2017 |

Skills

Programming Languages	C, C++, Python, Java.
Web Development & Cloud	HTML5, CSS3, JS, CI-CD, Git, AWS.
Frameworks	Django, Fastapi, React, NodeJs(Crud).
Databases	MySQL, MongoDB, PostgreSQL.
Others	DSA, OOPS, Celery, Redis, Microservices, ML.

Work Experience

Webskitters Technology Solutions Private Limited | Software Developer May'24 - Present

- **Led development** of scalable web applications, improving user capacity by 40% and significantly enhancing the overall customer experience. *Used: Django, Flask, WebSocket, AWS S3, Azure*
- **Conducted comprehensive code reviews** to enforce coding standards, ensuring improved security, scalability, and maintainability across all modules. *Used: Git, GitLab, CI/CD pipelines, Python, JavaScript*
- **Collaborated with cross-functional teams** to integrate machine learning algorithms into the platform, resulting in a 25% improvement in data processing efficiency. *Used: Python, TensorFlow, Scikit-learn, Pandas*
- **Pioneered the design and implementation** of a new **RESTful API**, streamlining data retrieval and bolstering system performance across multiple services. *Used: Flask, FastAPI, PostgreSQL, MySQL*
- **Automated testing processes**, increasing code coverage by 30% and significantly improving application robustness and reliability. *Used: Pytest, Selenium.*
- **Assisted in transitioning the development environment to Azure**, improving the consistency and reliability of the deployment pipeline. *Technologies Used: Azure, Docker*
- **Worked on key coin-based projects** like Tradify and Singleexchange, developing features for cryptocurrency exchange platforms with high security and scalability in mind. *Used: Django, React.js, WebSocket, PostgreSQL, AWS S3*

Advance Software Technologies Private Limited | Software Engineer Nov'22 - Apl'24

- **Designed and developed user-friendly applications** using **Django**, improving communication between client databases and backend services through Socket for real-time updates.
- **Enhanced Ingredient APIs**, optimizing performance and ensuring smooth data flow for the application. *Used: PostgreSQL, MySQL*
- **Collaborated directly with the executive team** to define and track KPIs for web properties that received over 22M visitors annually, using **SQL** and **Google Sheets** for data analysis and reporting.
- **Developed frontend components** using **JS**, focusing on usability and ensuring seamless integration with backend services.
- **Improved data analysis** by implementing algorithms for ingredient prediction, improving data accuracy for business decision-making. *Technologies Used: Python, Machine Learning algorithms*
- **Implemented data testing and validation** procedures, ensuring robust and error-free data processing. *Technologies Used: Python, Pandas, Numpy (e.g.)*

Sikharthy Infotech Private Limited | Software Developer Apl 21 – Oct 22

- **Developed a Full-Stack Engineering Tool** to track progress across internal departments, using **React.js** for the frontend and **Jinja Tem** for certain components. *Used: React.js, Django.*
- **Implemented RESTful APIs using Django**, improving reporting speed for the analytics team by 64% and streamlining data retrieval. *Technologies Used: Django, FastAPI, PostgreSQL, REST APIs*
- **Provided Tier 2 support** for 8+ systems, focusing on bug fixes, system optimizations, and data changes to ensure uninterrupted business operations. *Used: SQL, MySQL, Troubleshooting Tools*
- **Documented technical specifications** for all systems and APIs, ensuring full transparency and maintaining high-quality standards in codebase documentation. *Used: Postman, Swagger, Git*

Internship

CodeAlpha | Machine Learning Intern Jan'24 - Feb'24

- Crunch samples for data mining and statistical modeling for prediction use-cases
- Demonstrating the results of various algorithmic approaches and evaluating performance Optimizing algos.
- Develop scalable solutions for data discovery, analysis, and presentation
- Develop metadata driven data collection, integration, and organization services
- Work closely with subject matter experts and statisticians to drive deep analysis

Projects

Virtual Concierge - Food Ordering & Delivery Application

July 24 - Oct 24

Developed a real-time AI-powered food ordering and delivery mobile application that enables users to place orders through voice interactions. Integrated AI models for real-time speech-to-text processing and dynamic order management. Implemented WebSocket and Socket.IO for seamless, low-latency bi-directional communication between client devices and servers to capture user voice inputs, process them via AI engines (using OpenAI APIs), and return actionable order data instantly.

Key Contributions:

- Designed and built backend services with Django and Flask to handle order workflows, payments(Stripe), and user management.
- Developed and deployed scalable microservices on Azure and AWS S3 for media storage and cloud computing tasks.
- Integrated OpenAI models for natural language understanding (NLU) and intent recognition to enhance user experience.
- Built React Native mobile application ensuring a fluid, real-time ordering process with voice support.
- Set up real-time voice data transmission using WebSockets and Socket.IO for immediate server-client communication.
- Managed source code, CI/CD pipelines, and collaboration using GitLab.
- Optimized application performance for minimal latency in voice processing and order confirmation.

Smart Home Control Panel - Desktop Simulator

July 24 - Aug 24

- A GUI-based desktop simulation of a smart home control system where users can manage various components like lights, fans, temperature, security, and energy usage analytics.
- Key Contributions:
 - Real-time device control simulation (on and off toggles, temperature dials)
 - Room-wise configuration using tabs or frames
 - Authentication-login system
 - Theme toggle (light or dark mode)
 - Data logging and visualization (matplotlib)
 - MQTT or simulated networked communication backend
- Skills Used: Python, Tkinter, OOP, Architecture, Multithreading, Visualization, Auth, MQTT

Quiz Application

Sep 23

- Designed and developed a scalable, MCQ-based educational quiz platform using Spring Boot, Spring Data JPA, MySQL, Thymeleaf, and Bootstrap 5.
- Built dynamic backend services to manage quiz creation, randomization of questions, user sessions, scoring mechanisms, and result analytics. Implemented a mobile-responsive frontend with Bootstrap for an enhanced user experience. Focused on
- clean RESTful architecture, secure data handling, and efficient database querying to support multiple concurrent users.
- There are a total of ten questions. The goal is to create an educational app that quizzes a user about a certain topic of your choice.

Attendance Management System

April 2023

- Developing blogging platform on HTML, CSS, JavaScript, JQuery and using Python Django.
- Used HTML, CSS for frontend and web-based user interface. Development tools for employee attendance.
- There are two module attendance system software for employee and admin using Face Recognition.

Heart Disease Prediction

Aug 2022

- Built a machine learning-based heart disease prediction model using Logistic Regression, K-NN, SVM, Random Forest, BPNN, and MLP algorithms.
- Applied 10-fold cross-validation to ensure robust model evaluation and generalization.
- Achieved highest prediction accuracy of 93.19% using Decision Tree classifier.
- Performed feature selection, hyperparameter tuning, and model optimization to improve performance.
- Evaluated models using precision, recall, F1-score, and ROC-AUC metrics for reliability.
- Focused on designing a scalable and interpretable ML pipeline for medical data analysis.

Courses and Certification

- | | |
|--|---|
| • HackerRank Certification | Python, JAVA, C#, JavaScript, SQL, Problem Solving. |
| • Simplilearn | Python Fundamentals, Intro of Artificial Intelligence, Machine Learning |
| • Great Learning | SQL, OOPs, React Js, DevOps, AWS, Machine Learning. |
| • Skill Academy | Python Beginner, HTML, CSS, JavaScript. |

Academic and Extracurricular Achievements

- **Coding profiles :** [Hackerank](#), [GFG](#), [Leetcode](#), [CodeChef](#).
- Gold badge for Python proficiency, problem-solving, and SQL on the Hackerank platform
- 2022 8 nd /100 Participate Hackathon project Competition.
- 2021 Hacker Rank Participate coding competition.