

Sayantant Chowdhury

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EDUCATION

Bangalore Institute of Technology

Bachelor of Engineering in Information Science and Engineering (ISE) - CGPA: 8.45

Bengaluru, Karnataka

Aug. 2022 – Sept. 2026

Kendriya Vidyalaya

High School - 10th: 89%, 12th: 82%

Bengaluru, Karnataka

May 2019 – May 2022

EXPERIENCE

Artificial Intelligence and Data Analyst Intern

Blue Planets Info solutions Pvt. Ltd.

July 2024 – Nov. 2024

Pune, Maharashtra

- Developed JobFitMatcher, an AI/ML-based tool using Python, spaCy, NLP, and SQL to match resumes with job descriptions, store and highlight skill gaps.
- Built Streamlit dashboards and visualizations (Matplotlib, Seaborn) to display resume-JD scores and keyword insights for HR teams.
- Automated resume screening with PDF parsing, Pandas, Excel, and delivered analytics via Power BI using Handshake resume datasets.

Developer and Technology Virtual Experience: Job Simulation Program

Accenture UK – The Forge

Oct. 2023

Remote

- Gained practical experience with the Software Development Life Cycle (SDLC) and Software Testing Life Cycle (STLC), along with methodologies like Agile and Waterfall.
- Applied algorithmic thinking and code debugging techniques through real-world simulations and assessments, enhancing problem-solving and technical analysis skills.

PROJECTS

Credit Approval System | Python, Django, PostgreSQL, Docker, Redis, Celery

March 2025 – May 2025

- Built a scalable Django REST API for loan approval, integrating dynamic credit scoring logic using customer profiles and historical loan data.
- Implemented Excel-based and CSV-based data ingestion, asynchronous processing with Celery and Redis, and containerized deployment using Docker and Docker Compose.
- Developed secure endpoints for registration, eligibility checks, loan management, and real-time interest rate correction based on score thresholds.

JobFit Matcher | Python, Streamlit, SQLite3, Pandas, NLP

July 2024 – Sept. 2024

- Developed an AI/ML-powered tool using NLP and spaCy to match resumes with job descriptions based on relevance scoring.
- Implemented PDF parsing, skill gap detection, and keyword suggestions to enhance resume quality and alignment.
- Built interactive Streamlit dashboards to visualize match scores, missing keywords, and analytical insights for recruiters.

MindWave | JavaScript, React, Node.js, Express.js, MongoDB, Material UI

May 2024 – July. 2024

- Built a responsive mental health web app using React, Redux, Node.js, and MongoDB, offering mood tracking, daily self-care, EAP access, and goal achievements.
- Integrated Google Authentication, real-time updates, and third-party tools like Google Fit and Calendly for enhanced workplace wellness engagement.
- Focused on clean UI/UX design, scalable backend, and future-ready features like mobile app support and admin panel integration.

TECHNICAL SKILLS

Languages: Java, Python, C, C++, SQL (MySQL), JavaScript, HTML, CSS

Frameworks: React, Node.js, Django, JUnit, Bootstrap, Tailwind CSS, Express.js, Flask, Streamlit

Developer Tools: Git, AWS, Vercel, VS Code, Visual Studio, Jupyter Notebook, Eclipse, Figma, MongoDB, MySQL, MS Excel (MS Office)

Libraries: pandas, NumPy, Matplotlib, Seaborn, Scikit-Learn, Sqlite3, NLP(nltk), json, Streamlit.