

Sayantan Chowdhury

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EDUCATION

Bangalore Institute of Technology

Bachelor of Engineering in Information Science and Engineering (ISE) - CGPA: 8.4

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

July 2024 – Nov. 2024

Blue Planets Info solutions Pvt. Ltd.

Pune, Maharashtra

- Developed JobFitMatcher, an AI/ML-powered solution using Python, NLP, BERT, and PDF parsers to extract and analyze resumes and job descriptions, compute relevance scores, and identify missing skills and keywords for better candidate shortlisting.
- Built user friendly interface and dashboards with Streamlit, Matplotlib and Seaborn to visualize resume-JD matches, skill gaps, and keyword insights, enabling HR and leadership to make data-driven hiring decisions.
- Automated end-to-end resume screening by integrating PDF extraction, Pandas-based data processing, and SQL and Excel-backed analytics using Power BI on Handshake (US-based job portal) resume datasets to deliver actionable reports to HR and executive teams.

Developer and Technology Virtual Experience: Job Simulation Program

Oct. 2023

Accenture UK – The Forge

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

Konbini | JavaScript, React, Node.js, MongoDB, Express.js, Tailwind CSS

March 2025 – May 2025

- Built Konbini, a bilingual e-commerce platform inspired by Japanese convenience stores using React, Node.js, Express.js, and MongoDB.
- Designed a minimalist, responsive UI with Tailwind CSS, reflecting Japanese design principles and enhancing user experience across devices.
- Developed secure backend REST APIs and CRUD operations for product listings, user authentication, and cart operations to ensure smooth and scalable performance.

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

July 2024 – Sept. 2024

- Developed an AI/ML-powered tool using NLP and BERT 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.

Automated Custom Time-Table Generator | Django, Python, SQL, HTML, CSS

May 2024 – July. 2024

- Built a web-based timetable generator using Python, Django, SQLite3, and Genetic Algorithms to optimize class scheduling.
- Designed user interfaces with HTML and CSS for inputting constraints like subjects, faculty, and available slots.
- Automated conflict and clash free timetable creation based on faculty availability, course load, and institutional rules.

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.