






Arunima Biswas

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Education

National Institute of Technology Durgapur, India

Jul 2022 – Jun 2026

Bachelors of Technology in Computer Science and Engineering

Projects

RecruitIQ

Mar 2025 – Apr 2025

Python, DistilBERT, Streamlit, Flask, NLTK, pdfplumber, SQLAlchemy, pandas, numpy, smtplib

- Built an end-to-end AI recruitment platform with a Streamlit dashboard and Flask backend, leveraging DistilBERT (85% accuracy) for intelligent resume-JD matching.
- Automated JD summarization (NLTK), resume parsing (pdfplumber, NLTK), and match scoring (DistilBERT), achieving 70% faster hiring and 30% better match accuracy.
- Integrated SQLite with SQLAlchemy for data management, used smtplib for automated interview invites, and handled structured data using pandas and numpy.

DreamNest

Jul 2024 – Aug 2024

MongoDB, Express.js, React.js, Node.js, SCSS, Material UI

GitHub Repo

- Developed a complete platform for property management, including authentication, dynamic listing creation, and efficient photo management.
- Implemented calendar-based bookings, a category-based feed, advanced search functionality, and a user-friendly wish-list.
- Secured and optimized with JWT and Bcrypt for enhanced security.
- Crafted a frontend experience with Redux, Sass, and Material UI for seamless user interaction.

ExamPro

Sep 2024 – Nov 2024

Programming Language: C++

- Built a C++-based online examination portal with user registration, authentication, result management, and secure file handling.
- Applied object-oriented programming principles, implemented custom input validation, and designed an interactive menu-driven interface.

Automated Robot

Miscellaneous Project

- Collaboratively created a robot using NodeMCU with features such as line-following, obstacle avoidance, remote control, and a robotic arm.
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Technical Skills

- **Programming Languages:** C++, C, Python, Java, SQL
 - **Embedded Systems:** Linux Kernel, Device Drivers, Real-time Programming
 - **OS:** Linux, Windows, UNIX
 - **Web Technologies:** HTML, CSS, JavaScript, MongoDB, React, Node.js, Express, MySQL
 - **Miscellaneous:** MySQL, AWS, Git, Linux, Figma, Canva
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Relevant Coursework

Computer Science: Object-Oriented Programming, Data Structures and Algorithms, Database Management System, Computer Networks, Operating Systems, Compiler Design, Computer Organization and Architecture

Mathematics: Optimization, Discrete Maths, Probability and Random Processes, Number Theory, Linear Algebra

Positions of Responsibility

Senior Developer, Centre For Cognitive Activities

2023 – present

- Promoted robotics through targeted workshops, leading hands-on sessions on automation and emerging technologies, resulting in increased participant engagement and technical skills development.
- Organized robotics workshops and seminars, attracting 200+ participants and increasing engagement in technical fields.
- Conducted hands-on sessions on automation and machine learning, enhancing participants' practical skills.

Senior Coordinator, Aarohan

2023 – present

- Led the publicity efforts and managed the technical execution of the festival.
- Implemented innovative marketing strategies, increasing event participation by 30%.
- Streamlined technical event operations, ensuring seamless coordination and execution.