

PRANJAL KUNDU

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SUMMARY

Final-year Computer Science student skilled in building scalable and distributed software systems using Java, Python, React, Next.js, and Spring Boot. Hands-on experience integrating AI/ML workflows, cloud-based architectures, and real-time applications. Strong foundation in DSA, algorithms with a passion for solving large-scale engineering challenges in retail, supply chain, and consumer-facing platforms.

EDUCATION

Graphic Era Hill University

B.Tech - Computer Science and Engineering - **CGPA: 9.33**

2022 – 2026

Dehradun, Uttarakhand

Grace Academy

XII - CBSE - **Percentage: 97.4%**

2022

Dehradun, Uttarakhand

EXPERIENCE

Data Analytics and AI Trainee

PriceWaterhouseCoopers — Feb 2025 - July 2025

- Developed and maintained **Python**-based applications and **SQL** scripts to process large-scale datasets, integrating analytical models to generate actionable business insights.
- Engineered and deployed **Python**-based predictive analytics solutions using **ML algorithms**, building scalable tools to solve real-world business problems.
- Collaborated in an **Agile-simulated** environment, applying software development best practices and structured problem-solving to meet project goals.

PROJECTS

AI Email Assistant [↗](#) | Java, Spring Boot, ReactJS, Gemini API

February 2025

- Engineered **RESTful Spring Boot APIs** and integrated Gmail services to automate email workflows, reducing response latency and enhancing user productivity.
- Developed an AI-driven response generation module using **Gemini API**, enabling intelligent auto-replies and context-aware communication.
- Architected scalable, cloud-ready microservices with Spring Boot, applying distributed design principles to support real-time automation at scale.

SyncIDE – Virtual Coding IDE [↗](#) | Next.js, ReactJS, Convex, Tailwind CSS

March 2025

- Increased user coding efficiency by 78% for 80+ users by developing and launching a collaborative virtual IDE with real-time code execution, following **Agile** methodology.
- Leveraged the **PISTON API** to build a multi-language, in-browser runtime environment, enabling real-time code execution with instant output, error analysis, and code sharing capabilities.
- Enhanced the coding environment with instant output display, code sharing, real-time database connectivity, and community discussions.

Movie Recommender System [↗](#) | Python, Pandas, Scikit-learn, Streamlit

April 2025

- Built a content-based **movie recommendation engine** using TMDb metadata (genres, keywords, cast/crew) to deliver personalized suggestions.
- Computed a high-dimensional **cosine similarity** model and optimized performance via pre-computed Pickle artifacts.
- Developed a **Streamlit** interface for real-time movie recommendations, demonstrating scalable search and personalization workflows.

SKILLS

- Programming Languages:** Java, Python, JavaScript, C++, C and TypeScript
- Frameworks & Libraries:** Spring Boot, React.js, Next.js, Node.js and Scikit-learn
- Web & Database:** HTML, CSS, RESTful APIs, MySQL and MongoDB
- Developer Tools:** Git, GitHub, GitHub Copilot, Linux, VS Code, Docker, Hadoop, Cassandra and MLflows.
- Soft Skills:** Collaboration, Decision-making, Learning Attitude, Teamwork and Presentation Skills

COURSEWORK

- | | | |
|------------------------------|-------------------------------|---------------------|
| • Data Structures | • Object Oriented Programming | • Computer Networks |
| • Database Management System | • Artificial Intelligence | • Cloud Computing |
| • Operating Systems | • Machine Learning | • Cyber Security |

SCHOLASTIC AND CO-SCHOLASTIC ACHIEVEMENTS

- Top-Ranked Problem Solver** - Solved **700+** DSA problems across various coding platforms (e.g., LeetCode).
- Amazon ML Summer School** - Selected as a **Mentee** among **top 5% of 60,000+** applicants, 2025.
- Jagdish Sheth School of Management (JAGSoM)** - Next Gen Minds **Finalist**, 2025.
- Student Council, Grace Academy** - Served as a **Captain** and active **Council Member**.