

RAVISHA ARORA

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EDUCATION

Guru Gobind Singh Indraprastha University Delhi, India
Bachelor of Technology - Computer Science Nov 2022 - May 2026
CGPA: 9.455
Relevant Courses: Data Structures and Algorithms, Operating Systems, DBMS, Machine Learning, Advanced Java

TECHNICAL SKILLS

- **Languages:** Java, Python, SQL, HTML/CSS, JavaScript, ReactJS
- **Frameworks/Tools:** Spring Boot, Hibernate, JSP, Servlets, JDBC; MySQL, Postman, Power BI
- **Libraries:** Pandas, NumPy, Scikit-learn, Matplotlib, Seaborn
- **Skills:** Machine Learning, Feature Engineering, Data Analysis, Leadership, Team Collaboration

EXPERIENCE

Grail Consulting and Project Management Services Pvt. Ltd. Noida, India
Java Backend Developer Intern Jul 2025 – Aug 2025

- Designed and implemented 5+ RESTful API endpoints using Java and Spring Boot for data exchange and content management, integrating MySQL for efficient storage and retrieval.
- Conducted 30+ Postman tests covering authentication, data transfer, and error handling, enhancing system reliability and reducing failure rates.

NITI Aayog New Delhi, India
Data Analytics & Visualization Intern Jan 2025 – Mar 2025

- Developed 4 interactive Power BI dashboards with custom DAX measures to analyze state-wise innovation metrics, supporting policy insights.
- Applied Python-based ML models to uncover 10+ drivers of regional innovation, strengthening India's Global Innovation Index strategy.

Defence Research and Development Organisation (DRDO) New Delhi, India
Research Intern Jul 2024 – Aug 2024

- Enhanced text retrieval by implementing TF-IDF and inverted index methods in Apache Lucene.
- Authored 2 benchmarking reports comparing Lucene's accuracy and speed with other indexing tools.

PROJECTS

eNotes – Smart Notes Taking Web App [GitHub](#)
Tech Stack: Java, JSP, Servlets, JDBC, MySQL, HTML, CSS, JavaScript, Postman

- Built a full-stack notes app with 8+ key features including secure login, CRUD operations, speech-to-text input, geotagging, and dark mode for enhanced user experience.
- Tested 40+ authentication and CRUD API endpoints using Postman; validated functionality for error handling and ensured UI responsiveness across multiple devices.

Phishing URL Detection System [GitHub](#)
Tech Stack: Python, Scikit-learn, XGBoost, Random Forest, Pandas, Flask, Postman

- Developed a classifier using 17+ URL features and ML models (Random Forest, XGBoost), achieving 93% accuracy on a dataset of 100,000+ URLs for detecting phishing attacks.
- Deployed as a Flask web app with 5+ endpoints, tested through 30+ Postman scenarios, reducing system downtime and improving error handling.

SwiftReply – AI-Powered Smart Reply Chrome Extension [GitHub](#)
Tech Stack: Java, Spring Boot, HTML, CSS, JavaScript, Manifest V3, Gemini API, Postman

- Built a Chrome extension for Gmail and LinkedIn that generates AI-powered replies with customizable tone, length, and auto-detected support for 5+ languages, improving user engagement and cross-language communication.
- Designed and implemented 8+ backend REST APIs using Spring Boot and Gemini API; tested 20+ endpoints in Postman and validated cross-browser functionality across 3 major browsers.

LEADERSHIP & ACHIEVEMENTS

- ADVAIT – AI Club, PR Head: Increased student participation to 90+ attendees through targeted outreach and online campaigns; organized 3+ AI/ML workshops and sessions.
- Kalakriti – Creative Society, Core Member: Supported planning and execution of campus cultural events and exhibitions.
- College Finalist – SIH 2024: Led a tech team in Smart India Hackathon; also participated in other hackathons.