

# Avantika Rath

Software Developer

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## Summary

“Aspiring software developer with a strong foundation in Java and software engineering principles, seeking to leverage my coding skills and problem-solving abilities to contribute to innovative projects.”

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## Work Experience

### AICTE EduSkills

Jul 2024 - Sep 2024

*Generative AI Internship*

- Explored and applied key concepts in NLP and machine learning models, contributing to a 10% improvement in model accuracy for a text analysis project.
- Gained practical experience with Google Cloud services, deploying AI solutions that reduced processing time by 15.

### IBM SkillsBuild

Jun 2023 - Jul 2023

*Software Development Engineer*

- Designed and enhanced responsive web interfaces using HTML, CSS, and JavaScript, improving user engagement by 20% on the project.
- Enhanced problem-solving and debugging skills through project-based learning, contributing to the successful delivery of 3 key features on time and within scope.

### AICTE EduSkills

Apr 2023 - Jun 2023

*Google Android Developer*

- Developed mobile applications using Android Studio, Java, and Kotlin, with one app reaching 20+ downloads within the first month.
- Gained hands-on experience in UI/UX design and app architecture, optimizing user interfaces and increasing app retention by 15%.

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## Education

### Roorkee College of Engineering Affiliated with UTU

Sep 2021 - Jun 2025

*Bachelors of Technology in Computer Science and Engineering*

CGPA: 8.71/10

### Rakhee Public School

Apr 2020 - Mar 2021

*Intermediate*

Percentage: 95.6%

### Rakhee Public School

Apr 2018 - Mar 2019

*High School*

Percentage: 96%

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## Project Work

- **ERP System:**

- Enhanced a comprehensive ERP system to streamline and manage various academic and administrative operations within a college.
- The system includes role-based access for students, faculty, and administrators, providing secure login and access specific features based on relevant roles.

*Technologies: HTML, CSS, JS, Django, SQLite, Python*

- **Email-Sender Application:**

- Developed a user-friendly Email-Sender application with a graphical interface using Python's Tkinter library.
- The application allows users to compose and send emails directly from the GUI by integrating Python's smtplib library for sending emails through SMTP servers.

*Technologies: Python, Tkinter(GUI), Smtplib*

- **Netflix Clone Website:**

- Implement a fully responsive Netflix clone website that replicates the front-end design and functionality of the popular streaming platform.
- This project showcases expertise in web development with a focus on creating a visually appealing and user-friendly interface.

*Technologies: HTML, CSS, Javascript*

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## Technical Skills

- **Programming Languages:** Java, Python, C/C++
  - **Web Development:** HTML, CSS, JavaScript
  - **Databases:** MySQL, MongoDB
  - **Frameworks:** Express, React, Django
  - **Tools/Platforms:** Git, VS Code, MS Office
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## Certifications

- Industry Certification Programme in Information Technology: L&T EduTech
  - Certification Programme in Programming in Java: NPTEL
  - Learn AI Skills Challenge: Microsoft
  - Graphics Designing Workshop: IIT Roorkee
  - Web Technology Training Programme: SmartBrains Pvt. Ltd.
  - C Training : Spoken Tutorial at IIT Bombay
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## Soft Skills

- Problem Solving
- Time Management
- Effective Communication