

# Adarsh Pandey

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## Professional Summary

Full-Stack Software Engineer and AI Intern with hands-on experience in Python, Java, Flask, PostgreSQL, and MySQL. Skilled in developing scalable web applications, REST APIs, and database-driven solutions with a strong understanding of OOP, SDLC, and Git/GitHub. Passionate about software engineering, problem-solving, and building high-quality, AI-driven applications.

## Skills

- Backend & Systems: Python | Java | Flask | Django | .NET | REST APIs | Object-Oriented Programming (OOP)
- Frontend: JavaScript | HTML5 | CSS3 | PHP | Basic React.js
- Databases: PostgreSQL | MySQL | SQL | PL/SQL
- DevOps & SDLC: Git/GitHub | Agile | SDLC | Unit Testing | Basic AWS & Azure
- Soft Skills: Problem Solving | Analytical Thinking | Communication | Team Collaboration | Adaptability

## Experience

1. AI Intern — Infosys Springboard (2 Months)
  - Project: Open Deep Research Agent
  - Worked on an Agentic LLM research framework for AI-driven automation.
  - Experimented with Large Language Models (LLMs) and prompt engineering techniques.
  - Applied Python for AI workflows, data processing, and SDLC-based development.
  - Collaborated on developing scalable automation solutions and software engineering best practices.

## Projects

1. Open Deep Research Agent | Python, LLMs, Prompt Engineering [\[LINK\]](#)
  - Built an AI automation agent for multi-step reasoning and complex knowledge retrieval.
  - Designed structured system prompts to minimize hallucinations and maximize accuracy.
  - Developed scalable Python pipelines for prompt execution following SDLC practices.
2. Women Safety App | Java, Android SDK, Google Maps API [\[LINK\]](#)
  - Developed an Android app that triggers instant SOS alerts with live GPS tracking.
  - Implemented background location services for continuous real-time safety monitoring.
  - Created a reliable emergency contact system for instant data transmission.
3. Library Management System | Python, Flask, PostgreSQL [\[LINK\]](#)
  - Built a full-stack system to manage books, student records, and issue/return transactions.
  - Integrated Flask routes with a normalized PostgreSQL database for CRUD operations.
  - Optimized backend architecture to ensure smooth concurrent user requests.
4. Women Safety Web Application | PHP, MySQL, HTML, CSS, JavaScript [\[LINK\]](#)
  - Built a responsive platform for emergency alerts with live location sharing.
  - Integrated MySQL database for user data and incident reports.
  - Enabled an email-based alert system for instantaneous emergency communication.

## Certifications

- Java Programming – 94% [ NPTEL - Skill India]
- Introduction to Python – Infosys
- Artificial Intelligence – Infosys
- Software Engineering Job Simulation – Forage (Accenture)

## Education

1. Bachelor's in business administration & computer applications (BBA-CA), Pune University | Among Top performers | Nashik | Expected Graduation: 2026  
Consistent Academic Performance | CGPA: Year 1 – 8.19 | Year 2 – 8.37 | Semester 5 - 9.09
2. Class XII, Maharashtra State Board | 80.17% | 2023
3. Class X, Maharashtra State Board | 74.60% | 2021

## Languages

English (Professional Proficiency) | Hindi (Native/Fluent) | Marathi (Native/Fluent)