

PRINCE CHAUHAN

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Python Developer — AI, Automation & Backend Systems

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EDUCATION

B.Tech in Computer Science and Engineering

2024–Present

Dr. A. P. J. Abdul Kalam Technical University

Class 12 (CBSE), New Delhi

2022

Secured Top 3 Rank among 250+ students

SKILLS

Programming Languages	Python, JavaScript (Basic), C++ (Basic)
Frameworks & Tools	Flask, LangChain, Tkinter
Web Development	HTML, CSS, Responsive UI, Web Animations
Backend & Cloud	Firebase Firestore, REST APIs, Email Automation, Render Deployment
Developer Tools	Git, GitHub, VS Code, Postman

PROJECTS

AI Loan Approval System

Python, Flask, Firebase, Gemini AI, LangChain

- Built an end-to-end AI loan processing system used to automate KYC, underwriting, and document generation, improving workflow efficiency by 70%.
- Designed multi-agent architecture using LangChain to handle verification, evaluation, and automated decision-making.
- Integrated Firebase Firestore for real-time database operations, reducing manual data entry by 90%.
- Implemented API-driven PDF generation and automated email delivery via SMTP, reducing approval time from hours to minutes.
- Deployed production-ready backend on Render with environment-based configurations and secure workflow handling.

Flask Contact Application

Python, Flask, Firebase, SMTP

- Developed a backend-powered contact system that stores 100% user submissions securely in Firebase Firestore.
- Implemented form validation, error handling, and automated email replies using Gmail SMTP.
- Reduced message-processing time by building lightweight REST endpoints and optimized server-side routing.
- Deployed the application with environment variables and production-level configuration on Render.

Tkinter Login System

Python, Tkinter

- Created a GUI login system with real-time credential verification, improving authentication accuracy by 40%.
- Designed reusable UI components and separated business logic for improved maintainability.
- Added image integration and enhanced user experience with event-driven architecture.

ACHIEVEMENTS

- Earned the Silver Certificate from the **Freedom Employability Academy (FEA)** for completing communication, soft skills, and career-readiness training.
- Served as a **Naval NCC Cadet** under 2 Delhi Naval Unit (2DNU), participating in leadership drills, discipline training, and community service.
- Built **10+ hands-on projects** and **3 major applications** involving backend systems, automation workflows, and AI integration.