

# SHUBHAM GOYAL

**BITS Pilani, Hyderabad Campus**

**Bachelors of Engineering (Hons.), Major in Computer Science and Minor in Data Science**

2021 - 2025

**US Citizen (No work authorization required)**

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## WORK EXPERIENCE

### Software Development Engineer I (Backend)

Navi | July 2025 - Present

Credit Underwriting Team

Built scalable backend systems in **Java** and **Kotlin** to design and evaluate complex loan strategies driving millions in revenue. Contributed to **AWS-to-OCI** migration, critical compliance initiatives, and improved alerting and monitoring.

### Data Science and Backend Intern

Scapia | May 2024 - Dec 2024

Cards Engineering Backend Team

Developed a **Credit Fraud Risk Analysis** API in **Spring Boot** for real-time fraud scoring during onboarding, using **decision trees** in **Python** to identify key metrics from third-party social profiling APIs and leveraging them for improved fraud detection. Built a **Merchant Mapping Automation Tool**, increasing unique mappings from **800** to **32,500** and cutting maintenance by **90%** with **clustering** techniques and a custom **knowledge base**. Designed the **Smart Forex Experience** to analyze transactions, display real-time currency limits, and provide trip summaries, enhancing the customer experience. Delivered features like Clevertap **CRM integration**, Office Address Flow, and Card Replacement Flow to improve usability and ensure regulatory compliance.

### Engineering Intern

Scapia | June 2023 - July 2023

Optimized PDF generation using **Dart** and **Spring Boot**, reducing latency by **90%** through the development of a brand-new service now utilized daily for all booking and cancellation PDFs. Managed **AWS** deployment and **log monitoring** for seamless service operation.

Created and optimized app flows in **Flutter** for superior user engagement. Utilized **Mixpanel** events and **Firebase Remote Configs** for advanced analytics and dynamic feature control.

### Engineering Intern

Scapia | July 2022 - Aug 2022

Significantly contributed to the app's **beta version** by developing numerous initial screens and features using **Flutter**. Experimented extensively with different widgets and flows, many of which were incorporated into future app versions. Implemented various **app flavors**, facilitating effortless switching between Production and Sandbox environments, and **streamlining testing** and development processes.

### Student Intern

Cisco | July 2019 - Jan 2020

Selected in the **6 member team** representing our school. Created a desktop application using **Python** and **SQL** that allowed the receptionist to schedule a substitution teacher for every teacher that couldn't make it to their class on that day or a day in the future.

## PROJECTS

**Citrana AI** (2024) (<https://citrana.in/>)

Built an **AI-powered market research platform** where users can input an idea to generate a comprehensive dashboard covering market research essentials. Features include interactive **AI Personas** for **customer segmentation**, **competitor analysis**, and insights from relevant **social media posts** to validate their ideas. Developed the backend in **Python + FastAPI**, integrated OpenAI, Perplexity API, Serp API, and Reddit Search API, managed **AWS** deployment, and contributed to the **React**-based frontend for a seamless user experience.

**Rideshare BPHC** (2024) ([https://play.google.com/store/apps/details?id=com.crux\\_bphc.rideshare&hl=en\\_ZA&pli=1](https://play.google.com/store/apps/details?id=com.crux_bphc.rideshare&hl=en_ZA&pli=1))

Designed, developed, and successfully launched a **cross-platform mobile application** with **Flutter** tailored specifically for our campus community, facilitating seamless organization and carpooling for student trips.

**Celebrity Face Generation (Generative AI)** (2024)

Used latent vector space arithmetic to generate new faces of celebrities using **DCGANs** and a combination of different encoded celebrity faces. Also used **Cycle GANs** to convert one kind of face to another. **Python, Pytorch, TensorFlow.**

**AI Chess Bot** (2023)

Created a chess bot from scratch using **Python** and **C**. Used techniques like **alpha-beta pruning** and **DFS** with customizable graph depths.

**E-Commerce Website** (2022)

A full stack project built using **React.js**, **Spring Boot** and **PostgreSQL**. Included functionality such as Cart, Wallet, Authentication Sessions, Confirmation Emails, Admins and Manger Dashboards.

## ACHIEVEMENTS

**Global Nominee**, NASA International Space Apps Challenge 2019 | **App Development Lead**, Google Developer Student Club BPHC 2023

**2nd Place**, SEEP 2.0 Entrepreneurship Program (2024) | **1st Place**, Camp K12 Hackathon and Investor Pitch (IIM Bangalore) 2018

**Finalist**, Teen Turks Entrepreneurship Competition (1200 participants) | **3rd Place**, NASA Space Apps Challenge 2018 (Bangalore)

**Java (Spring Boot), Python, Data Science, App Development (Flutter), Gen AI, Machine Learning, Amazon Web Services**