

ANURAG SHARMA

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EDUCATION

The University of Texas at Austin (McCombs School of Business)

May 2025

Master of Science, Information Technology & Management
(Awarded a \$12,000 academic scholarship for excellence)

Visvesvaraya Technological University (VTU), Bangalore

Aug 2016 - July 2020

Bachelor of Engineering, Information Technology

EXPERIENCE

Amadeus - Software Engineer

June 2023 - June 2024

- Led and managed backend infrastructure for mobility **team of five, supporting 10,000+ iOS devices globally**
- Established monitoring solution, improving troubleshooting efficiency, hence **reducing operational downtime by 80%**
- Coordinated with business stakeholders to devise a product roadmap for internal search tool, **80% of internal employees relying on it daily**
- **Utilized Generative AI to elevate search tool recommendations**, significantly enhancing data comprehension and retrieval across the organization

Tru Doc – Tech Lead, Product Manager

March 2023 - May 2023

- Led the end-to-end development of a **Web3-based document verification solution**, leveraging Ethereum APIs to prevent document forgery and enhance data security
- Fostered the launch of the web application that **processed over 1,000 transactions, generating \$1M in value**

Shell - Software Engineer

September 2020 - February 2023

- Engineered PySpark pipelines for processing global oil data, **enabling a profit of \$4bn annually in oil trading**
- Launched Global Energy Emissions Web Dashboard (World Energy Model), **home to millions of users across the globe**
- Developed a PowerBI dashboard for the SMDS plant in Malaysia, **aiding 400 staff in monitoring chemical levels daily**
- Developed web scraping scripts using Selenium APIs to collect, compare, and analyze oil prices from multiple vendors, enabling Shell to secure a competitive **advantage in purchasing higher quality oil at lower costs**
- Partnered with global trading desks to capture, manage, and **analyze global crude oil supply and inventory data**, leveraging Power BI and SQL to interpret oil trends and extract actionable insights

Pankhuri - Full Stack Developer

March 2020 - August 2020

- Built the backend using Python and Flask, integrated with a React frontend, **supporting 1 million+ customers in India**
- Collaborated to develop a cross-platform application in Flutter, **achieving over 500k downloads**

PROJECTS

- **Wireless Trackpad App**: To transform a smartphone into a wireless laptop trackpad for remote use
- **Python Car Game**: Developed a car game to evade oncoming obstacles with basic controls and achieve a high score
- **Key Logger Software**: Devised a stealth keylogger in Python using the Pynput module, capable of recording keystrokes
- **Personality Assessment App**: Developed a Personality Trait Analyzer using the Myers-Briggs model with KNN algorithm for classification, implemented backend in Java and frontend in XML, utilizing Android Studio
- **Stenography Messenger App**: Built an Android app for secure communication via images with embedded messages, allowing users to share and decrypt messages through social media platforms

ACTIVITIES

- **Captain of the house basketball team** and played college basketball, champions of Lucknow zone (Inter College)
- Achieved **3rd place in the 5000m** inter-collegiate athletics meet
- **Founded "Humans of SIT"** group in college, conducting candid interviews to share student stories and experiences
- **Cadet in the NCC** (National Cadet Corps) of the Air Force
- **Led and coordinated the college coding club "DeCoders"** to conduct the annual national level Hackathon "Hackfest"

HONORS

- Received **VP CIO award of 2021 Q2**, for providing Shell a competitive edge in Oil Trading worth **hundreds of millions of dollars** and a more accurate view on global Crude Inventory than anyone else in industry
- Cleared the Indian Army Service Selection Board securing **All India Rank 74 out of 300,000 candidates** nationally
- Passed the Pilot Aptitude Battery Test (a once in a lifetime test) to be **eligible to fly fighter Jets** of the Indian Air Force