PRANAV UNNI

📞 +919535776414

✉ pranavcosmos4@gmail.com

Work Experience

Flutter Developer Intern
Agenda BOA | November 2022 - Present

- Joined the **Brazilian Startup** by demonstrating my skills in practical knowledge
- Actively contributed to the Front-End development of a conceptual logo designing application which increased the Company's revenue by **60%**
- Aided in R&D of extra features to increase the existing revenue by approximately **80%**.

Research Intern
DRDO | July 2022 - December 2022

- Compared **20+ test case prioritisation techniques** and identified most optimum one to use in Embedded Systems.
- Came up with **6 total techniques** including 3 manual and 3 automated methods.
- Submitted a research paper of more than 30 pages covering my findings and experimentation.

Blockchain Developer (Contract Based)
Mext Metaverse | August 2022 - September 2022

- Deployed an NFT Marketplace from scratch on the Polygon Blockchain that reduced the overall cost by **80%**.
- Proposed the project to the client and suggested multiple possible improvements and future optimisations which could increase their revenue stream by **20%**.

Back-End Engineer Intern | Founding Team
HeroApp | Apr 2022 - June 2022

- Devised a robust Back-End with FastAPI and added security features to reduce the impact of request tampering by **99%.**
- Re-structured timings of meetings and promoted the use of various productivity tools to bring efficiency and reduce time consumption by 40%.

Cyber Security Trainee
Microsoft | May 2022 - Jun 2022

- Got direct mentoring from leading experts in the field of malware analysis, reverse engineering, system exploitation, digital forensics and 3 other similar fields.
- Learnt to use **10+ tools** and simulated **more than 5** practical attack vectors and ways to defend them.

Flutter Developer Intern
Osmosiss | Jan 2022 - Mar 2022

- Spearheaded a team of two developers to design an application using Flutter for a specific client.
- Coded a robust application according to the client's needs which serves **1000+ users** per day.

Education

Amity University, Gurugram, India B Tech Computer Science and Engineering | 2019 - 2023	CGPA: 9.34 / 10
Army Public School, Bangalore, India Senior Secondary (Class 12th) | Passing Out: 2019	Percentage: 95%
Army Public School, Bangalore, India Secondary (Class 10th) | Passing Out: 2017	CGPA: 10/ 10

Skills

Languages: Python, Dart, Solidity, C/C++, JavaScript, Java

Frameworks: Flutter, Flask, Selenium

Databases: Cloud Firestore, MongoDB, MySQL, SQLite3, PostgresQL.

Tech Fields: Cyber Security, Blockchain, Web Development, App Development

DevOps: Docker, Git, Linux, Bash Scripting

Personal Projects

ZBGaming
Nov 2021 - Dec 2022   Link 🔗

A mobile application that enables gamers to participate in paid/free tournaments and earn money. It also empowers organizers to pitch in their tournaments and earn from it.

NFT Marketplace
Sep 2022   Link 🔗

Developed an NFT Marketplace from scratch for a startup **MEXT B2B Metaverse**. Customers can indulge in buying / selling of their NFTs in an easier and much simpler way.

Cryptonite
Jun 2021 - Jul 2021   Link 🔗

Authored a Windows Ransomware with **Global Monitoring System**.
The project instantly became a huge sensation and was even reviewed by a **security researcher** working in **FORTINET - a leading cyber security firm**

Stock Market Prediction
Jul 2021 - Aug 2021   Link 🔗

Used Deep Learning, LSTM to be precise, to predict the opening price of the stock market with an average **accuracy of 80%**
A total of **48 different models** were trained the most optimum model had an accuracy of **90 %**

Shopping Application (mobile)
Nov 2021 - Dec 2021   Link 🔗

Implemented a **cross platform** Shopping Application using Flutter Framework that supports payments, login and cart.

Achievements

- Responsibly disclosed critical vulnerabilities found in websites of big companies like **BMW**, **Buzzfeed**, **Snyk** and **IBM**.
- Obtained **100% academic scholarship** at Amity University.
- Among the **top 4%** in TryHackMe CTF
- Was recommended for **MLH Fellowship**.
- Got an invite only pass to **Asia's Biggest Ethereum Hackathon** organized by **ETHIndia**.

Initiatives

- Started a **YouTube channel** where I share Cyber Security and Coding related concepts.
- Created a website to **provide quality content** for free.
- Developed a **PoC** for gaming application which tries to promote gaming as a prospective field.