

ELLIKA MISHRA

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EDUCATION

Texas A&M University

Aug. 2024 - June 2026

Master of Computer Science

Anticipated Coursework- Advanced Operating Systems, Machine Learning, Sketch Recognition, Networks and Distributed Computing, Distributed Processing Systems, Compiler Design

Pune Institute Of Computer Technology

Aug. 2018 - June 2022

Bachelor of Engineering Information Technology

Honors Artificial Intelligence and Machine Learning

CGPA-9.52/10

EMPLOYMENT

FinIQ, Software Developer, Pune

July 2022 - May 2024

- Worked on client-side as well as server-side development of brokerage platform with 50k+ users for all asset classes in Indian market using Angular, Typescript and .Net Core, C++ respectively.
- Responsible for developing services like a search functionality for the platform (Android, iOS and Web) to search , Advisory APIs from client back-office to web-app, Order-placement, Fund transfers, Authentication and user on-boarding .
- Developed several crucial pages on the web-app like- individual scrip analysis page, portfolio analysis, order-pad, live market watch etc and created a Micro-frontend for the same.
- Solved critical production issues post the launch of the platform regularly. Developed Mutual Funds platform as the second phase of project.

Push, Backend Developer Intern

Mar. 2022 - June 2022

- Worked on Node, TypeScript, MySQL to write API endpoints, added backend server functionalities and database operations. Performed Devops related tasks using Docker, Git and AWS.
- Developed new server endpoints to facilitate the notifications from user devices like laptops and mobiles to web3 wallets on different blockchains.
- Researched on tasks related to decentralisation of niche product (Push-node) for critical analysis, tech suitability and suggested modifications.

UST, Project Intern

June 2021 - Sept. 2021

- Wrote scripts in python to automate the existing manual process of system testing in Windows OS to a generalised script based procedure.
- Research and compare system calls in different operating systems like Linux, MacOS and Windows and categorise them based on similarity.
- The test cases executed sequentially in the scripts and gave desired output by making calls to Windows APIs , suitable Python modules for hardware based steps.

PROJECTS

Automating threat detection in MITRE framework

Dec. 2021 - Mar. 2022

- Developed a web based platform which enables organisations to defend their systems against every potential system breach using the MITRE framework , based upon a ML model aimed to classify previously unread inputs into standardised MITRE taxonomy.
- Trained model to an accuracy of 91% based on scraped web data from official MITRE website, github repositories, corporate logs.
- Tech Stack- Spring Boot, React, Scrapy, Elasticsearch, Scikit-learn, Pandas, Docker

HiringPortal

Mar. 2022 - May 2022

- As a part of Women who code blockchain developed a blockchain based platform to connect freelancers to employers making use of smart contract templates and escrow.
- Leveraged the features of Ethereum blockchain like complete transparency, immutability using a responsive and user friendly React UI .
- Tech Stack- Solidity, React, NodeJs, MySQL.

SKILLS

PROGRAMMING LANGUAGES: C++, C, Python, TypeScript, Java, Solidity, C#, Visual Basic, Go

FRAMEWORKS AND LIBRARIES: Spring Boot, React, Scrapy, Pandas, Scikit-learn, web3.js, .Net, Angular

DATABASES: MySQL, MongoDB, Elasticsearch

DEVOPS & TOOLS: Git, Docker, AWS, Android Studio, Bitbucket, Rest API, Firebase

LEADERSHIP & EXTRACURRICULAR ACTIVITIES

DO Your Venture: Entrepreneurship For Everyone. Program Finalist

Mar. 2021 - Sept. 2022

- Completed this online course of study by IIM Bangalore offered for the National Commission for Women, India on Entrepreneurship.
- Finalist in a cohort of 15k+ teams to begin with ideas and end at ventures through this programme under mentorship and aid of STPI & NGIS (Government of India) professionals. Proposed a blockchain based philanthropic platform Empathiser and pitched the MVP to various fund raising events.