ADEEBA NAAZ

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Academic Details

Year	Degree	Institute	CGPA/Marks(%)
2022	M.Tech Computer Science and Engineering(3 year)	Indian Institute of Technology Hyderabad	9.1
2017	B.Tech	Dr. AITH, Kanpur	81.02%
2013	XII (CBSE)	St. Pauls Inter College, Shahjahanpur	89%
2011	X (CBSE)	St. Pauls Inter College, Shahjahanpur	10

Work Experience

Research Assistant | Pranet Lab | IIT Hyderabad (July'19 - present)
- Working on blockchain-based Anonymous Credential framework using zero-knowledge proof (ZKP).
- Currently developing smart contract library over Ethereum and PoC for Anonymous Vaccination use case.

Project Engineer | Wipro Technologies (Feb'18 - July'19)
- Worked with ENU team on GAS supplying and billing application (GMS) on the .NET framework.
- Responsible for design and development of the application as per MVC architecture.
- Key technologies: C#, .NET, MVC, MySQL.

Projects

Threshold Revocable Decentralized Anonymous Credentials | Master's Thesis | Guide: Prof. Kotaro Kataoka (Jun'20 - present)
- Develop a framework to authenticate without revealing identity in a decentralized and untrusted environment.
- Key Technologies: Ethereum, cryptographic libraries - (petlib, py-ecc), ganache, web3.py, python-flask

Dynamic flow rule timeout optimization in SDN using Deep Reinforcement Learning | TIN (Feb'20 - April'21)
- Used Deep Q-Network (DQN) as a deep reinforcement learning model that takes appropriate action by learning through the environment.
- Submitted conference paper to IEEE (Globecom2021 NGNI). Paper ID: *1570717565*

Most Relevant Passage Retrieval: Microsoft AI Challenge | Information Retrieval (Sep'20 - Dec'20)
- Retrieve the most relevant passage corresponding to the query, among candidate passages set.
- Used DistilBERT to get pairwise contextual embeddings for each query-passage pair.

Mlogging: mobile Vlog Decentralized Application | ETH-India Dapp Jedi Hackathon (Aug' 20 - Sep' 20)
- Developed Dapp over blockchain where users can record real-time tracks while they are traveling.
- Project focus on direct benefit to content creators in a decentralized and secure way, removing intermediates like youtube.

Event Evolution Tracking from Streaming Social Posts | DataMining (Aug'19 - Nov'19)
- Developed novel algorithm to handle highly dynamic social streams as Twitter and real-time track of event evolution patterns i.e., birth, growth, and decay of events.
- Key Technologies: Python3, Matplotlib, Numpy.

MQTT based chat application | IOT (Jan'20 - July'20)
- Developed a real-time chat application for one on one and group communications.
- Used **C++** and **MQTT** Publish-Subscribe Model.

Skills

- **Programming Languages**: C, C++, Python, Solidity
- **Web Development**: HTML, CSS, JavaScript, Python-Flask, MySQL
- **Blockchain Development:** Solidity, NodeJS, Web3, Truffle, Ganache

Scholastic Achievements

- Secured 98.5 percentile in GATE 2019 in Computer Science & Technology.
- Secured first division with honours in B.Tech academics.

Positions of Responsibility

Interest Group Moderator for Women in Computer Science group of **ACM** student Chapter, IITH. (Oct'20 - present)
Technical Content writer at CodeKyro for competitive programming articles. (April'21 - present)
Teaching Assistant | IIT H | Prof. Kotaro Kataoka
- CS3530 - Computer Networks 1 (Aug'20 - Nov'20)