Muhammad Haseeb Ul Hassan

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EDUCATION

- **National University of Sciences and Technology (NUST)**
  *Bachelor of Engineering in **Software Engineering**; CGPA:3.65*   *Nov 2021 - June 2025*

RESEARCH EXPERIENCE

- **Research and Development Wing, NUST-MCS**   On-Site
  Research Intern (Part-time)   *September 2022*
  - **About::** Selected in the Research and development wing of my university for a summer research internship program along with 3 other batchmates.
  - **My Role::** Collecting and analyzing data from a vast range of sources for studying the practical difficulties and potential advantages in setting up 5G networks in Pakistan.

INDUSTRIAL EXPERIENCE

- **Teresol**   Onsite
  Software Developer (Intern)   *June 2023 - September 2023*
  - **About**: Tersol is R&D company that focuses on providing embedded solutions and software services for Avionics, Consumer Electronics, Automobile and Banking /Financial sector.
  - **Tasks**: Worked with Vue and Node with a large team to create a scalable system for a bank that was upgrading its nationwide system after 20 years from desktop to web.

- **Arcana Info**   Remote
  Machine Learning Engineer (Intern)   *November 2022 - February 2023*
  - **About**: Arcana Info is a company providing software solutions.
  - **Tasks**: I helped in Data collection and Preprocessing for an AI-Enhanced Customer Support Chatbot for Multilingual Assistance

- **Punjab Incubation Center-MCS**   Onsite
  Front End Developer (Intern)   *July 2022 - September 2022*
  - **About**: Worked with a team of professionals to develop a web and mobile application for a commercial invitation system at a government incubation center.
  - **Tasks**: Developing website using figma prototypes,testing the code and integrating backend with frontend.

- **Ride360**   Remote
  MERN Stack Developer(Part-time)   *June 2022 - August 2022*
  - **About**: "Ride360 was a startup that offered a ride-hailing service utilizing block-chain technology as a payment gateway"
  - **Tasks**: Managing Frontend-Backend integration, API'S and figma to responsive design for the web application of ride360.

HONORS AND ACHIEVEMENTS

- **Runner up for NUST HACKATHON 2023** - Finished second in the 8 hour long Web-Development hackathon, held at MCS,NUST

- **Institution winner for ICPC Global 2023** - Participated in the renowned International Collegiate Programming Contest and competed a total of 23 teams from my college and finished on top.

- **Google Developer students Club Campus ambassador** - Selected as a ambassador for GDSC for overall performance and contribution in the community.

- **Honorary medal by CHANGE CLUB** - Awarded a medal for 3 years of continuous contribution in a well known NGO working for orphan students.

PERSONAL PROJECTS

- **Predicting BigMart Sales (Machine Learning, Data Pre-Processing, Linear Regression)**:   Using data of a one year sales for 1500+ products across 10 stores to predict the sales of each product at a particular store. Tech: Pandas, matplotlib, seaborn, scikit-learn

- **Event Management System for University(Semester Project)**:   Created a Event management system using data of previous and upcoming events. It was a web based system with admin functionality. The UI was designed in figma and MSSQL was used for database. The frontend was built on React and backend with Exress and NodeJS.

- **NFT Gated Website using Third-web**: Using Web3 to create a NFT Gated Website. Web 3.0 is a decentralized network, and built on top of blockchain technologies. Applied my learnings of how to restrict website access to certain features or pages on the basis of ownership of Non-Fungible Tokens(NFT'S).
- **Chat App with MERN stack** : Created a chat-room using MongoDB, React, Express and Nodejs. The main goal was to learn socket programming and how to create real time updates seamlessly on a web page. The chat App also had a admin panel for managing users and accepting or rejecting room/group requests.

COURSES

- **Meta Front-End Developer**: Coursera - META (9 Sub-Courses)
- **Advanced Learning Algorithms-Coursera**: Coursera - DeepLearning.AI
- **Unsupervised Learning, Recommenders, Reinforcement Learning**: Coursera - DeepLearning.AI
- **Supervised Machine Learning: Regression and Classification**: Coursera - DeepLearning.AI
- **Developing Front-End Apps with React**: Coursera - IBM
- **Developing Back-End Apps with Node.js and Express**: Coursera - IBM
- **Introduction to Containers w/ Docker, Kubernetes OpenShift**: Coursera - IBM
- **Google Ads for Beginners**: Coursera - Google

SKILLS SUMMARY

- **Languages**:   Python, C++, Java, HTML, CSS, JavaScript, SQL, Solidity
- **Libraries**:   PyTorch, Tensorflow, React, ThreeJS, Pandas, Matplotlib, NumPy
- **Tools** :   GIT, Google Colaboratory, Jupyter Notebook, Figma, Firebase
- **Interests**:   Machine Learning, Deep Learning, Neural Networks, Blockchain
- **Soft-Skills**:   Leadership, Problem-Solving, Time-Management, Teamwork, Effective Communication Skills

EXTRA-CURRICULAR ACTIVITIES

- **Secretary Media at Software Society MCS**   NUST
  Head of the Media Team for the official Student Society within my department.   *September 2023-Present*

- **Event Manager at Change CLUB NGO**   Islamabad
  Change Club is dedicated to improving the education and lifestyle of orphaned children.   *March 2020-Present*

- **College Basketball team Vice-Captain**   NUST
  Vice Captain on the college basketball team, and I stand at an imposing height of 6'6".   *February 2023- Present*

- **Web Developer at Google Developer Student Club**   NUST,Islamabad
  Active member of tech geeks that build solutions for local businesses   *Apr 2022 - July 2022*