Rishabh Raj

in LinkedIn & Codeforces & Leetcode ○ GitHub ✆ 6395628967 ✉ Email: 211230046@nitdelhi.ac.in & Certificates

Technical Skills

Languages and Tools: C, C++, Python, HTML, CSS, JavaScript, Excel, SQL, Matlab, Git, GitHub,Jupyter, MongoDB
Libraries and Frameworks: React, Express, Node, Vite, Bootstrap, TailwindCSS,ChakraUI, Numpy, Pandas, Scikit-learn
Soft Skills: Management, Leadership, Teamwork, Communication Skills, Empathy

Education

•**National Institute Of Technology Delhi** *2025*
Bachelors of Technology in Electrical and Electronics Engineering CGPA:7.43

•**C. R. Oasis Convent School, New Delhi** *2020*
CBSE,New Delhi Percentage :86.40

Personal Projects

•**Medikart- Comprehensive MERN Stack Online HealthCare Delivery Website -Live|Github**
Tools & technologies used:Node.js,Express,React,MongoDB, Bootstrap,BCryptJS

– **Spearheaded the development** of a robust website using MongoDB, Express, React, and Node.js and **designed** specialized collections to efficiently manage items, users, and order history
– **Implemented Secure User Authentication**: Developed a comprehensive user authentication and verification system using JWT tokens, significantly improving app security and reducing unauthorized access incidents by 45%.
– **Strengthened Platform Security Against Attacks** by implementing BcryptJS for password hashing, incorporating 12 rounds of salting to protect against brute-force attacks.
– **Developed Robust Password Entry System** with stringent validation checks using Express validators.

•**AgriProPlus - An Extensive Agriculture Assistance Tool -Live|Github**
Tools & technologies used:React, Chakra UI, Node.js, Express, MongoDB, Firebase, Axios, Python, Flask, RESTful API

– **Architected and Optimized** a responsive, user-friendly frontend using React and Chakra UI, **integrating** third-party news API and YouTube Data API to **deliver** relevant news and video content to farmers.
– **Implemented** secure user authentication with Firebase, **developed** a Python scraper to extract agricultural schemes data from government websites, **managed** the data in a MongoDB database, and **constructed** a Node.js and Express server to seamlessly deliver this data to the frontend.
– **Designed and Engineered** a predictive model using Keras, featuring LSTM and Dense layers. **Optimized** the model with Adam and **trained** it on sparse categorical cross-entropy loss to achieve a 98.48% accuracy in crop recommendations, **demonstrating** the potential to reduce agricultural losses by up to 20%.

•**Full Stack Event Planning Website - Live|Github**
Tools & technologies used: Node.js, Express,React,MongoDB,Axios

– **Utilized** Express and Node.js for backend development, **integrating** MongoDB via Mongoose for database management
– **Developed** engaging user interfaces using ReactJS and CSS, **incorporating** real-time notifications using React-hot-toast.
– **Implemented** Cross-Origin Resource Sharing (CORS) for seamless application integration, **utilized** a Validator for robust input validation, and **employed** Axios for efficient frontend-backend communication.

Experience

•**Engineers' Cradle** *Jun 2023*
Data and Market Research Intern
– Targeted diverse prospects and identified opportunities across technology institutions, NGOs and Engineering firms.
– Researched potential clients,gathered contact details,organizational profiles, and decision-maker information.

•**180 DC NIT Delhi** *Jan 2022*
Consultant
– Lead a team of 10 consultants to deliver a SEO report analysing 7 KPIs for Leading Learners, a Canada-based Ed-tech.
– Performed Get-a-whey SWOT Analysis, evaluated the firm's performance,offering key insights for strategic business improvement.

Positions of Responsibility

–**Placement Cell Sector Head**-Led the calling team of 25+ junior coordinators to drive targeted outreach
-Point of contact for 30+ companies responsible for establishing meaningful relations
–**NITD Alumni Cell** -General Secretary -Headed the management of impactful seminars uniting esteemed alumnus and students and actively working to connect with Alumni
–**Technical Club Upvision** - Management Head-Conducted 10+ technical events with a peak of 200+ attendees
–**IEEE NIT Delhi** -Logistics Incharge -Organized seminars on topics like Woman in Tech and Mental Health

Achievements

– **2nd position in UPitch** in start up ideation competition organised by SCIE NIT Delhi
–**Global Rank 38** in START115C ,**Rank 145** in START114C on Codechef out of more than 4k participants
–**Qualified NSEC-**Cleared the esteemed National Standard Examination in Chemistry (NSEC) organised by IAPT
–**Flipkart Grid Semi Finalist** ending up in top 10k out of 4 lakh+ participant teams across the nation.
–**Runner-Up in Techgeek quiz** organized by IEEE Delhi Section on Industry Academia Partnership.
–**Algorithmic Problem Solving-**Leetcode(max-1750+) ,GFG ,Codeforces(Specialist-1400+) , Codechef(3star-1650+)