

ARUN MEENA

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EDUCATION

Master of Computer Application

National Institute of Technology, Karnataka

2023 – 2026

8.08 CGPA

Bachelor of Computer Application

School of Computer Science and IT -DAVV, Indore

2020 – 2023

7.29 CGPA

COURSEWORK

- Data Structures & Algorithms
- Operating Systems
- Database Management Systems
- Machine Learning
- Computer Networks
- Object-Oriented Programming

PROJECTS

EduVerse – Full Stack Digital Learning Platform [🔗](#) | [MERN Stack](#)

- Built a digital learning platform focused on structured video lectures, enabling secure uploads, student engagement through discussions and subscriptions, and an ad-free learning interface.
- Configured authentication using JWT and Bcrypt, and Established a modular Express.js + MongoDB backend with REST APIs, Mongoose models, and Multer for video metadata handling.
- Architected a responsive React/Redux frontend with Tailwind CSS, ensuring seamless state management and intuitive UI/UX across devices.

Forest Fire Prediction App [🔗](#) | [Python](#), [NumPy](#), [Pandas](#), [scikit-learn](#), [Flask](#), [React.js](#)

- Designed and engineered a **full-stack ML web application** to predict Fire Weather Index (FWI) from meteorological data.
- Preprocessed and analyzed data using NumPy and Pandas, then executed regression algorithms (Linear Regression, Ridge, Lasso, ElasticNet with cross-validation).
- Achieved **98.26% accuracy with Ridge Regression** and integrated it into the final production pipeline.
- Deployed a production-ready solution with Flask backend (joblib-serialized model) on Render and React frontend on Vercel, showcasing end-to-end ML pipeline expertise.

Campus Trade [🔗](#) | [MERN Stack](#) (MongoDB, Express.js, React, Node.js)

- Developed a responsive web platform for buying and selling used goods on my college campus.
- Created a user-friendly interface that enhances navigation and overall user experience.
- Implemented user authentication for secure registration and login, enabling personalized profiles and transaction histories.
- Integrated real-time messaging functionality for seamless communication between buyers and sellers.
- Established search and filter options, allowing users to find items based on category, title and description.

TECHNICAL SKILLS

Languages: C, C++, Python, JavaScript, SQL, HTML, CSS

Frameworks & Libraries: React.js, Express.js, Redux, Tailwind CSS, Mongoose

Databases: MySQL, MongoDB

Developer Tools: VS Code, Postman, GitHub, Jupyter

CODING PROFILE

- Solved **450+** problems on **LeetCode** [🔗](#)
- Solved **150+** problems on **GeeksforGeeks** [🔗](#)
- Solved **100+** problems and achieved 5 in **Problem Solving** on **HackerRank** [🔗](#)

ACHIEVEMENTS

- Secured **All India Rank (AIR) 150** in **NIMCET 2023**, placing in the **top 0.5%** nationwide and demonstrating strong skills in **Mathematics, Logical Reasoning, Computer Fundamentals, and English.**