

Akshat Johar

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EDUCATION

BITS PILANI HYDERABAD CAMPUS

B.E. ELECTRICAL AND ELECTRONICS
ENGINEERING

CGPA - 9.35

Nov 2020 - Present | Hyderabad, India
Expected Graduation Aug 2024

LINKS

Github:// [akjo18](#)

LinkedIn:// [akshatjohar](#)

COURSEWORK

Discrete Mathematics
Data Mining
Object Oriented Programming
Data Structures and Algorithms
Block-chain Technology Operating
Systems

SKILLS

PROGRAMMING

C • C++ • Python • HTML •
CSS • SQL • MATLAB • Java • R •
JavaScript • Solidity

FRAMEWORKS/LIBRARIES

MERN • React JS • MERN
Matplotlib • PyTorch
• NEXT JS
• Keras

SOFTWARES/TOOLS

• Photoshop
• Lightroom
• Git & Github
• MATLAB

INTERESTS

• Data Mining and Analysis
• Full Stack Web Development
• Data Structure and Algorithms
• Competitive Coding
• Object Oriented Programming
• Music
• F1

EXPERIENCE

INDIAN INSTITUTE OF REMOTE SENSING, ISRO | SUMMER INTERN

May 2022 - July 2022 | Dehradun, India

PROJECTS

MACHINE LEARNING | THERMAL BEHAVIOUR PREDICTION FOR BATTERY

September 2022 - Present

Research Project with Dr. Ankur Bhattacharjee

- Prediction of VRFB battery system stack temperature rise using different Machine Learning models such as SVR, LR and XGBoost

DATA MINING | WOMEN CONTRACEPTION AND CHILD HEALTH

March 2023 - Present

Research Project with Dr. Manik Gupta

- Preprocessing open NHFS dataset related to woman and child health
- Selecting important features and performing visualization, clustering and association rule mining

FULL STACK WEB APPLICATION | BEST BUY ONLINE SUPERMARKET

October 2022 - December 2022

- Add to Cart, Payment and Search Functionality
- Separate Authentication and CRUD functionality for Users, Vendors and Admins
- Front-end implemented with REACT JS, Bootstrap, HTML and CSS
- Back-end implemented with Java SpringBoot, MySQL and JDBC

MACHINE LEARNING, IOT | WATER QUALITY PREDICTION

Jan 2022 - May 2022

September 2022 - Present

Research Project with Dr. Ponnalagu RN

- Time Series Forecasting and Regression model based on RNNs to predict Water Quality Index
- Data of different parameters by onboard sensors on Arduino UNO
- Values sent to server side by ESP

BLOCKCHAIN TECHNOLOGY | FINANCIAL SUPPORT DAPP

September 2022 - December 2022

- Users can register and donate to some cause.
- Completely Decentralized. Tehnology used Metamask, Truffle

FULL STACK WEB APPLICATION | MERN CHAT APPLICATION

Jan 2022 - Mar 2022

- Users can interact with each other as well in groups
- Web Sockets for real-time messaging between users with SocketIO
- Front-end implemented with REACT JS, Bootstrap, Chakra UI
- Back-end implemented with Node JS, MongoDB

POSITIONS OF RESPONSIBILITY

- Department Head | Department Of Photography, BITS Pilani Hyderabad Campus (Academic Year 2022-2023)
- Active Student Member of Photog Club - The Photography Club of BITS Pilani, Hyderabad Campus