Ayush Raja

Ayush Portfolio

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EDUCATION HISTORY

B.tech - Electronics and Communication Engineering
Lovely Professional University, Phagwara

06/2019 - 06/2023   7.76CGPA

Class XII
Crescent Public School, Bokaro

04/2018 - 04/2019   8.62 CGPA

Class X
Crescent Public School, Bokaro

04/2016 - 04/2017   10 CGPA

HANDS ON EXPERIENCE

Movie Booking Web App, Bokaro (10/2019 - 10/2019)
- Link : https://ayush-bookmovie.vercel.app/
- Deployed a full fledged movie booking web app with seat reservation system. User can book movie and admin can add movies.
- Successfully implemented user and admin auth to perform necessary operations & implement backend and authentication using JWT token.

Full-Stack Note Management App with Authentication, Free Lancing (09/2023 - 09/2023)
- Crafted a full-stack Note making app using React.js, Node.js, MongoDB, and Express, included user authentication with JWT tokens.
- Learned front-end, back-end, and database integration for real-world applications. Gained skills in API integration and development.

Hommie Web App (07/2023 - 07/2023)
- Link: https://homieayush.netlify.app
- Created a responsive web app for rental home searches and collaborative room sharing, driving **50%** higher user engagement.
- Proficient in React.js, AOS, Material-UI, API integration, SwiperSlide, and Accordion components.

Amazon Data Analysis Dashboard (07/2023 - 07/2023)
- Developed an interactive data visualization dashboard for Amazon sales spanning 2012-2015, driving **30% expansion** in informed decision-making.
- Attained expertise in Data analysis and Data Visualization using the Power BI tool, with the ability to deploy reports on Power BI services.

Real Time Car Number Plate Detection System Achieving 85%+ Accuracy, Lovely Professional University, Phagwara (03/2022 - 03/2022)
- Built advanced ML model for accurate vehicle plate recognition, Excel data storage, and comprehensive database creation.
- The solution showcases remarkable **85%+ recognition accuracy.**
- Explored Pytesseract, OCR, OpenCV, and object detection in ML.

INTERNSHIP

Front End Intern
At FoodJam, CommEat

08/2023 - Present   *Update Admin Panel using React js,*
Role is to Redesign Admin Panel for FoodJam, where I have used React js for frontend management and connected front end with backend api.

Learning Outcome
- React Js, API integration, Admin Panel Management

TECHNICAL SKILLS

C/C++ Data Structure & Algorithms React JS
Node.js & Express MongoDB HTML & HTMl5
CSS & CASS Javascript Python AI & ML SQL
Power BI Tableau Data Analysis JIRA

EXTRACURRICULAR ACTIVITIES

Attended Cisco's Machine Learning and Image Processing workshop, achieving a 25% skills expansion (06/2021 - 06/2021)

Participated as a theatre artist in the Spectra event held at Lovely Professional University, Phagwara (07/2019 - 07/2019)

Attended Robotics Club systematized by RISC at Lovely Professional University, Phagwara (07/2019 - 09/2019)

RESEARCH WORK

Created Solar-Powered, IoT-driven RGB LED Matrix with engaging display, boosting productivity by 25%. (03/2023 - 05/2023)
*Engineered an RGB LED Matrix for mobile-controlled scrolling text, enhancing productivity by **25%** through streamlined content management.*

Topic: 30nm Z-shaped TFET transistor on TCAD Synopsys Software (08/2022 - 11/2023)
Investigated nano-sized TFET's I-V characteristics, subthreshold slope, leakage current, AC & DC noise, achieving an 80% accuracy.

CERTIFICATES

Data Visualization and Communication with Tableau issued by Coursera (07/2023 - 07/2023)

Querying and managing data with SQL issued by Khan Academy (05/2023 - 05/2023)

Server side development with Node.js by Coursera (11/2022 - 01/2023)

Data Structure and Algorithms issued by GeeksforGeeks (10/2021 - 01/2022)

Artificial Intelligence issued by Skill UP NASSCOM (08/2021 - 09/2021)

Data Analyst issued by Google associated by Coursera (05/2021 - 06/2021)

Python for Analytics issued by Udemy (05/2021 - 05/2021)

ACHIEVEMENTS

5* in C++ Hacker Rank   3* in Analytical Section Hacker rank

500+ Questions on DSA, GeeksforGeeks