Ashwin

UG (IV Year I Semester)
B.Tech. (Mechanical Engineering)
Minors (Computer Science & Engineering)
Email: ashwin@me.iitr.ac.in
Registration No: 20111012/2024

Indian Institute of
Technology
Roorkee

VERIFIED

Area of Interest

Web dev, Data Structures & Algorithms, Problem Solving

Education

Year	Degree/Examination	Institution/Board	CGPA/Percentage
2023	B.Tech. 3rd Year	Indian Institute of Technology, Roorkee	8.933
2019	Intermediate (Class XII)	Pace Junior Science College(HSC)	86.15 %
2017	Matriculate (Class X)	Pawar Public School Chandivali(ICSE)	96.00 %

Internships

Technology Consultant | PricewaterhouseCoopers(PwC), India   May 2023 - July 2023
- Developed machine learning models filtering supply chain dataset to identify frauds, late deliveries and other insights.
- Made risk tool in Python Dash to highlight customer segmentation, trends affecting client's profit, fraud order prediction, and delivery adherence that can provide valuable insights and decision-making capabilities for client's business.
- Experimented with explanation-producing libraries to derive statistical and actionable insights for the client's business.

Web Developer | G-Trans Logistics Pvt Ltd   February 2022 - June 2022
- Built a driver directory for SignoDrive using ReactJs where drivers can be sourced within 60 seconds.
- Developed a dashboard using AntDesign and worked with APIs to display all current trips, expenses, and driver details.
- Created an Auction Portal where transporters can place and update bids making it beneficial for both transporter & client.

Projects

Website Dev | 18th International Conference on Vibration Engineering & Technology of Machinery   March 2023 - Present
- Development and maintenance of website, collaborating with the organizing committee, ensuring it's up to date.
- Managed website content & registration systems, enhancing user experience & facilitating effective communication between attendees, speakers, & organizers through website's interactive features. Link - https://iitr.ac.in/vetomac2023

Overall Product Optimization For Bhuamrit FPO | IIT Roorkee   August 2023 - Present
- Optimizing production line by implementing various principles of Process Control and Quality Management.
- Identified the key process parameters and conducted a comprehensive analysis to pinpoint gaps in quality control.
- Aimed to provide solution that helps improve their yield by 2-3%, protects their product quality, and is cost-effective.

Vegetation Management | Centre of Excellence in Disaster Mitigation & Management, IIT Roorkee January 2023 - May 2023
- UAV data of districts in Uttarakhand were utilized, leveraging its image processing, analysis & vegetation tasks.
- Built custom web application using WebODM where users can efficiently process aerial or satellite imagery.
- Generated detailed maps, identified areas of concern, and made decisions for effective vegetation management.

Govind Bhawan - Website | IIT Roorkee   March 2022 - April 2022
- Designed and developed the website highlighting Bhawan's legacy and the facilities provided. Maintaining the website and regularly updating it about the recent events in Bhawan. Link - https://iitr.ac.in/govindbhawan/

Team KNOx - Website | IIT Roorkee   May 2022 - June 2022
- Enlisting the team's work, participation, & achievements on website using ReactJs. Link - https://knox.iitr.ac.in/

Awards / Scholarships / Academic Achievements

- Secured All India Rank 6045 in JEE Mains 2020 and 7423 in JEE Advanced 2020
- Finalist amongst 60,000+ participants at Code with Cisco, code-a-thon 2023

Positions of Responsibility & Extra Curriculars

Competitive Programming | Online Judges   August 2021 - Present
- Active member of various online judges including Codeforces, CodeChef, LeetCode.
- Max. Rating: ashk_00 - 1772(3 Star) at CodeChef
- Max. Rating: koraash - 1522(Specialist) at Codeforces

Joint Secretary | Hostel Council, IIT Roorkee   June 2022 - May 2023
- Served as Joint Secretary while spearheading the development and management of the council's website.
- Implemented user-friendly features, such as online feedback forms and event registration, to enhance resident participation and satisfaction with 12 hostels on campus and address residents' concerns.

Additional Secretary | ASME IIT Roorkee Student Section   May 2022 - Present
- Led a team of 20+ members in national and international competitions like Rowboatics (IIT Bombay), SAUVC (Singapore)
- Spearheaded design & development of group's website displaying achievements and putting out project details.
- Organizing development sessions and mentoring team members in updating the website as per design.