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Lalit-Lodhi   lalit_kumar_20

Lalit Kumar

EDUCATION

Lucknow, India   **Institute of Engineering and Technology**   **SEPT 2020 – MAY 2024**
Bachelor of Technology   Electronics and Instrumentation   CGPA: 8.055 (till 6th sem.)

EXPERIENCE

SWE INTERN @ Microsoft
- I worked with **Microsoft** as a **SWE intern** in the summer of 23. I learnt a wide range of **technical** and **non-technical skills**, gain practical experience, and worked on real-world project, learnt best practices Code organization, and how to write efficient and maintainable code.
- The common learning outcomes and skills gained during my internship are- Real-World Development **Experience, Software Development Processes, Agile Methodologies, Collaboration and Teamwork, Performance Optimization, Adaptability, Networking and Communication Skills.**

MICROSOFT ENGAGE 22
- Had a opportunity to work with Microsoft on a real-world Project under its Mentorship through Microsoft Engage program. I learnt various type of algorithms how to implement these and Gain Industrial level experience how the big techs exactly work and about the working culture.
  And did a Machine Learning Project- **MOVIE RECOMMENDATION ENGINE**

PROBLEM SETTER- iMocha
- **iMocha** is a skill Assessment Software where I am part of the Problem Setter Coding Team.
- Here, My task is to design and make various categories of problems from basic to advanced level.

PROJECTS

BGR REMOVER WEB APP   View Designer App   3 JULY - 23 AUG
- During my internship at Microsoft, I had the exciting opportunity to work on a live project **Designer App**.
- I was part of **Web Team** where I worked on improving the **SEO performance** of Designer on search engine by building an Action focused **web app**. An app for **BGR removal** that does the job instantly and then prompts users to Sign-in/Sign-up/continue their edit on a full fledged designer app.
- I designed and developed a separate **responsive page** with stunning user **friendly UI** and integrated some Designer app feature like **canvas integration**, **Authentication Integration** and removed background With the **API Call** of Designer app and wrote a **manageable** and **less complex** code with easy folder **structure**.
- Wrote Unit Test using javascript's framework Jest for each file and also done with the configurations.
- **TECH STACK:- TypeScript, Jest, Microsoft Azure, Fluent UI, TSX, Github.**

MOVIE RECOMMENDATION ENGINE   Project-link   MAY-22
- Recommendation Engine is a machine learning project which suggest the genres of movies according to your Taste by analyzing the previous content watched by the users.
- The model recommends a set of movies to user based on Machine Learning Techniques.
  ALGORITHM:- LATENT FACTOR MODEL FOR COLLABORATIVE FILTERING
  OPTIMIZATION:- TECHNIQUE:- STOCHASTIC GRADIENT DESCENT
  TECH STACK:- PYTHON, its Libraries NUMPY, PANDAS, STREAMLIT (FOR FRONT END), JUPYTER-NOTEBOOK.

iNOTEBOOK   View   Project-link   JAN-23
- iNotebook is a web app that allows users to save important notes or other text with the title, description and tag.
- If new user visit the application just by creating the account user can save their notes and next time the same user just by login can fetch their saved notes. A user can create, update and delete the notes. It is pretty much responsive and user friendly web app.
- **TECH STACK:- HTML, CSS, JAVA SCRIPT, REACT.JS, NODE.JS, EXPRESS.JS, MONGO DB COMPASS**

ACHIEVEMENTS

- Former **Software Engineer Intern at Microsoft.**   Intern_Certificate   **JULY 3-AUG-25**
- Secured **234th rank** among 5000+ participants in **Codechef Starter-67(Division-2).**   View,
- Secured **3155th** rank among 25000+ participants in **Meta Hacker Cup'23** Globally   Certificate
- Secured **1589th** rank among 21000 participants in **Leetcode Weekly challenge.**   View
- Code-Chef- max. Rating **1802 (4*)**
- **Specialist** at Codeforces max.Rating **(1382+)**
- Secured 3159th rank in Google Kickstart Round- D   Certificate
- Certified by Hacker-Rank Problem solving **Intermediate**.   Certificate **APRIL-22**
- Solved 1500+ **DATA STRUCTURE AND ALGORITHMS** Problems on various coding platforms Codeforces Code-Chef, Leetcode, GeeksForGeeks, Spoj , Coding Ninjas

SKILLS

- **LANGUAGE:** C , C++, TypeScript, Java-Script, SQL, Python.
- **FRAMEWORK:** Bootstrap, React.js, Redux, Node.js, Express.js, Flask, Jest framework.
- **DATABASE:** MongoDB , Mongo Compass , MySQL
- **TOOLS:** Git , Github , Vscode , C-Line , Jupyter Notebook, Heroku.
- **COURSEWORK:** DSA, OOPS, DBMS, Operating System, System Design.