


ARVIND KURMI

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EDUCATION

- Shri G.S. Institute of Technology and Science, Indore MP** Current GPA: 7.92/10.0
B.Tech in Computer Science 2021-2025
- Govt. Naveen H.S. School, Hatta, Damoh MP** 95.0%
Higher Secondary School, MP Board 2020

EXPERIENCE

- IIT-PULSE**  May - July 2024
Software Developer, Intern Indore, India
 - Using **Java Selenium** automated the test cases. Also done **Manual Testing and RCA** resulting **5% correction** in functionalities.
 - Designed and implemented front-end features for an existing web application using **ReactJS**, e.g. **Custom Bread Crumb**, Student & Admin Profile, Result Page etc.
 - Contributed** in functionalities like question updates, **bulk question upload** etc, **increasing 30% efficiency** of admin to upload Questions.

PROJECTS

- JEEOCODE: Question Practice Platform** April - Aug 2024
Tools: MongoDB, Express.js, Node.js, React.js 
 - Implemented **Online Judge Webpage** for **JEE students** to provide them a question practicing platform and tracking of their progress, followed **Design thinking approach** for defining problem and ideation.
 - Designed the project using **Agile methodology**, tracking process of development on **Jira** and following **SCRUM** and **KANBAN** practices throughout the **SDLC**.
 - Ensured robust user authentication using **JWT**, emphasizing the importance of secure user accounts. Used **Google Auth** and **Auto Login** functionality for seamless User Experience.
 - Employed **Chart.js** for visualizing progress tracking data, Utilized **MongoDB** to store and manage the data with flexibility. Also developed a **custom one-way hashing function** for secure password storage.
 - Currently developing adaptive and **recommendation** features for **personalized learning**.
- CODECREW: Online Coding Judge** August 2024
Tools: Node.js, MongoDB, Express.js, React.js, Docker 
 - Engineered an online **coding platform** enabling users to execute and test **C++, Python and Java** code, utilizing **Monaco Editor** for an enhanced coding environment.
 - Applied **Child Process** model of **node.js** with the spawn function for code execution, replacing 100% dependency on external API like Judge0, **Docker** is used for containerization and **sandbox** for security.
 - Used **Poling** and **queuing** based code execution system for **handling multiple requests**.
 - Rate Limiting** is applied to ensure availability and **Deployed** on render.

SCHOLASTIC ACHIEVEMENTS

- Champion of the whole State and college** in Mathematical modeling competition.
- Solved **750+ DSA** Questions on Leetcode, GFG and Codechef. **3 Stars** on Codechef with a rating of 1639.
- District winner** in tourism quiz & **3rd ranker** of District in Higher Secondary Exam.
- Secured **953rd** rank among 34000+ participants in **407th** weekly contest of Leetcode.
- Semifinalist & under top 100 out of 17000+ teams from all over india in code-brewers hackathone by tally.

SKILLS

- Programming Languages:** C/C++, Java, Python, JavaScript
- Web Technologies:** HTML/CSS, React.js, Next.js, Bootstrap, Node.js, Express.js
- Database Systems:** MongoDB, PostgreSQL
- Data Science & Machine Learning:** Pandas, Numpy, Matplotlib, Scipy, Keras
- Technical Skills:** Troubleshooting, Identify Solutions, Docker

EXTRACURRICULAR ACTIVITIES

- Co-ordinator at computer club SGSITS** Sep 2022 - Current
 - Working as the active member in official club of CS Dept.
 - Helped and Guided Juniors in Boot-camps organized by the Club. Delivered an orientation on programming fundamentals and provided a roadmap for DSA and web development.