

ARUN PATWA

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EDUCATION

Indian Institute Of Technology Mandi

Bachelor of Technology with Major in Electrical and Minor in Computer Science Engineering

Oct 2020 – May 2024

Mandi, Himanchal Pradesh

Jawahar Navodaya Vidyalaya (JNV), Datia

CBSE 12th - 91.6% and 10th - 9.4/10 CGPA

April 2018 – May 2019

Datia, Madhya Pradesh

TECHNICAL SKILLS

Languages and Databases: C/C++, Python, Java, JavaScript, HTML5, CSS3

Technologies/Frameworks: Node.js, React.js, Express.js, MongoDB, MySQL, PostgreSQL

DevOps and Developer Tools: Docker, Git, Github, Gitlab, Basic AWS: EC2 and ECR

Relavant Courses: Object Oriented Programming, Data Structures Algorithms, Operating Systems (Linux), Database Systems

EXPERIENCE

GSOC-Google Summer Of Code (The Linux Foundation) 🌐

June 2024 – Aug 2024

Open Source - Open Printing

Bangalore, India

- **Developed Braille Embosser Support Application:** Implemented functionality for Braille embosser support by leveraging the PAPPL framework, enhancing the capability of the printing application for specialized use cases.
- **Developed Printer Driver and Device Management:** Implemented a system for managing printer drivers and automatically detecting new devices, ensuring that drivers are applied based on device IDs and default attributes.
- **System Initialization and Configuration:** Designed a comprehensive initialization process for system configuration, including setting up logging, defining system options, and managing state files to support automatic printer detection and configuration.

Plugseal Innovation 🌐

Dec 2023 – Feb 2024

Software Developer Intern

Bangalore, India

- Developed **personalized cold-emailing feature** through LinkedIn data web scraping, Used Selenium, BeautifulSoup, Utilized **OpenAI GPT-3.5-turbo LLM** with **Langchain** (Generative AI framework)
- Integrated with Streamlit for interface. Resulted in **23% increase in product marketing efficiency**
- **Implemented and deployed 4 APIs for fetching data** from documents using **OCR model** for **KYC-verification**
- Employed **OCR technology** for **KYC-verification**, extracted information across **17 templates** of documents like Aadhar, PAN, GST, Driving License and passports.
- Achieved **98% accuracy** , used by **4-5 stakeholders**, **tech stack comprised Python, Fast-API, PaddleOCR, OpenCV**

Willings.Inc 🌐

Apr 2023 – June 2023

Software Developer Intern

Remote, Tokyo

- Improved interview scheduling on a **recruitment portal** by **reducing hiring time by 35%**, introduced messaging features, interview slot confirmation, and a real-time notification panel.
- Introduced messaging features, interview slot confirmation, and a real-time notification panel.
- Utilized **React.js**, **Socket.io** for real-time messaging, **Node.js** for backend, with data fetched from Firebase, resulted in **20% increase in hiring efficiency** and enhanced interaction between recruiters & candidates.

PROJECTS

Connect-it :Advanced Meeting Platform 🎥 🔄 | Javascript, React.js, Node.js, Express.js, MongoDB

Nov 2023

- Designed a simplified online meeting platform to create chat rooms , join calls and discussions on instant.
- Integrated real-time note-taking and collaborative **virtual whiteboard** functionalities with download capabilities,enhancing usability and productivity

DisneyPlus-2.0 🎥 🔄 | ReactJS, Firebase, JavaScript, HTML,CSS

Oct 2022

- Deployed a web application which showcase cartoon movies collection with recommendation.
- Implemented responsive design and integrated **Firebase** to seamlessly store data, handle **Google authentication**, and provide real-time updates to the application.

EXTRACURRICULAR

- 2nd Rank in plant disease detection Hackathon with accuracy of 94%
- Solved **800+** DSA Questions, Rated **Knight (1890)** on Leetcode
- Google Kick Start Round G: Global Rank 2089
- Grabbed Dakshana 1-year JEE coaching scholarship provided to only 1% of pan India Government School
- Ranked 323 /21263 Weekly Contest 364 in Leetcode