


Aman Modanwal

Assistant Software Engineer

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📍 Greater Nodia, India

Profile

Assistant Software Engineer with **2 years and 5 months** of experience in **software development**, specializing in **HTML, CSS, Node.js, and React.js**. Experienced in developing and maintaining **Electron-based applications**, managing **Electron builds**, and working in **Linux-based environments**. Skilled in configuring **dnsmasq** for network management and optimizing system performance. Responsible for coding, testing, debugging, and deploying software solutions.

Professional Experience

Asst. Software Engineer

PPS INTERNATIONAL Pvt Ltd

01/2023 – present
Greater Noida, India

- **Developed and tested** software features, increasing code quality by 20%.
- **Enhanced functionality** with senior engineers, achieving 100% on-time project delivery.
- **Documented** technical specifications, improving team clarity and reducing onboarding time by 30%.
- **Led Agile meetings**, streamlining communication and accelerating project milestones by 15%.

Diploma Engineering Trainee (DET)

PT Communications System Pvt Ltd

12/2022 – 01/2023
Greater Noida, India

- Assisted in computer software development and testing processes.
- Supported the deployment and maintenance of software applications.
- Worked with databases for data management and retrieval.
- Collaborated with the team to troubleshoot and resolve technical issues.
- Gained hands-on experience in system configuration and software integration.

Projects

IOB Server

08/2024 – present

Integrated Content and Service Management Platform for Railway Passengers

- Developed a **user-friendly frontend** with dedicated sections for movies, music, videos, kids' zone, journey details, tourist places, and service requests.
- Implemented secure user authentication to ensure data privacy and control user access.
- Enabled seamless service request submission and management for journey-related services, enhancing passenger convenience.

SPUT Tool

01/2024 – 08/2024

Automated IP Monitoring and Content Deployment Tool

- Designed a tool to **list and monitor IoT Web Server Board** modules by continuously pinging IPs, displaying real-time health indicators (tick or cross) to ensure active status.
- Integrated folder validation to verify authorized content selection, preventing errors with clear feedback for incorrect choices.
- Streamlined **data transfer to selected IPs or multiple Devices** through a user-friendly interface, ensuring efficient and accurate content distribution.

Education

BTech, CSE

Dr A P J Abdul Kalam Technical University

2024 – present

Meerut, India

Full Stack Development

Apna College

01/2023 – 08/2023

Hybrid, India

Diploma, CSE(74%)

Board of Technical Education

2019 – 2022

Jaunpur, India

Skills

Language — HTML, CSS,SCSS, Javascript, Basic Python,KOTLIN,

Frontend Framework — ReactJS

UI Framework — Bootstrap, React- Bootstrap

Backend Technologies — NodeJS, ExpressJS

Web Servers — Apache

Desktop App Development — Electron, Electron Builder

Build Tools — Webpack , Babel, Vite

Database — MongoDB,MySQL

Networking — dnsmasq

Operating Systems — Windows, Linux

Certificates

Problem Solving (Basic)  — HackerRank

DSA with JAVA — APNA COLLEGE

Master Javascript — GeeksforGeeks

Languages

• Hindi

• English