

Divyansh Bajpai

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EDUCATION

SRM Institute of Technology

Bachelor of Technology in CSE (Software Engineering) • Chennai, Tamil Nadu • 09/2022 - Present

CGPA: 9.66

G.I.C Mataundh (U.P Board)

12th Percentage • Banda, Uttar Pradesh • 05/2021 - 06/2022

Percentage: 79%

S.T. Mary's School (C.B.S.E)

10th Percentage • Banda, Uttar Pradesh • 05/2017 - 05/2018

Percentage: 85%

PROJECTS

Document AI: PDF Data Extraction

- Developed a PDF data extraction system **using Layout LLM Model v3** for accurate and structured extraction from unstructured documents.
- Automated document processing workflows, **resulting in a 40% increase** in efficiency and reduced manual effort.

FinTaxPro: Tax Management System

- Developed a full-stack Tax Management System** that automated filing for individuals and businesses, reducing manual tax preparation time by **60%**.
- Implemented a scalable and secure architecture** using **HTML, CSS, JavaScript, Node.js, and MongoDB**.

Nipha Virus Prediction System

- Developed an ML epidemic prediction model** with a custom state-wise dataset using health, demographic, and climate parameters.
- Generated real-time India-wide heatmaps for Nipah virus prediction**, improving early-warning accuracy by **70%**.

Extension Security Analyzer

- Developed a browser extension to assess the security of other installed extensions.
- Streamlined extension security audits by creating a tool that automates vulnerability assessments, enabling **security team to analyze 20+ extensions** and prioritize critical threats.

WORK EXPERIENCE

AICTE (Virtual Internship Program) | Remote • Internship

- Developed a predictive model to analyze student performance using Scikit-learn, resulting in a model that identified at-risk students with 85% accuracy.
- Engineered features from a dataset of 10,000+ student records, performing data cleaning, normalization, and preprocessing using Pandas and NumPy.
- Evaluated and tuned hyperparameters for Logistic Regression and Random Forest models to optimize performance.

AI/ML Intern • 04/2024 - 06/2024

AWARDS & SCHOLARSHIPS

Rank 9, CSE Software Engineering Merit-Based Scholarship

SRMIST

Winner, HakTrax Alexa Developer Club Hackathon

Alexa Developer Club SRMIST

Second Prize, Layers 3.0 Pre-Conference Hackathon

Atos

CERTIFICATIONS

Oracle Foundational Certification

AWS Skill builder machine learning

Google AI/ML Virtual Internship

NPTEL Programming in Java

NPTEL Data analysis of algorithm

SKILLS

Languages: C/C++, HTML/CSS, JavaScript, MongoDB, Python, SQL (Postgres)

Frameworks: ExpressJs, Flask, Node.js, React

Developer Tools: Docker, Git, Visual Studio, VS Code

Soft Skill: Adaptability, Communication, Leadership, Problem-Solving, Teamwork

VOLUNTEERING & LEADERSHIP

Shishu Mandir Junior High School • 05/2024 - 06/2024

Teaching Volunteer • Banda, Uttar Pradesh

- Guided school students on future career paths while teaching basics of programming and modern technologies (AI, digital tools).
- Delivered interactive sessions to build awareness of technology's role in learning and skill development.