Urveesh Raj Srivastava

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SUMMARY

As a B.Tech student in Computer Science and Engineering with a strong foundation in Java, Python, SQL, PL/SQL, R, MATLAB and proficiency in full-stack web development, I bring a unique blend of technical expertise and problem solving abilities to any project. My aptitude for critical thinking allows me to approach challenges with a strategic mindset, enabling me to develop innovative solutions efficiently. Skilled in using MS Office suite and adept at crafting PowerPoint presentations. Additionally, my excellent communication skills enhance my ability to collaborate effectively within teams, ensuring seamless workflow and project success.

EXPERIENCE

Information Technology Intern   Jun 2024 – Jul 2024

National Hydroelectric Power Corporation Limited (NHPC) [Joining Letter] [Certificate]   *Faridabad, Haryana, India*

- Developed, installed, and updated databases using Oracle 12c, gaining hands-on experience in database administration, management, and data analysis.
- Provided IT support, ensuring data integrity and security while assisting in corporate projects.
- Enhanced technical, teamwork, and communication skills through active collaboration on database and IT tasks.

Web Development Intern   Jun 2024 – Jul 2024

iNeuBytes [Offer Letter] [Certificate]   *Remote Internship*

- Worked on full-stack web development using HTML, CSS, JavaScript, PHP, and MySQL.
- Managed backend database operations and optimized user experiences through thorough testing and debugging.
- Gained experience in cross-browser compatibility and performance optimization in a remote working environment.

Club Advisor (Head of MSC)   Jun 2024 – Present

Microsoft Student Chapter, VIT-AP   *Vellore Institute of Technology, AP*

- Mentoring members and guiding strategic initiatives to enhance the club's impact in the tech community.
- Previously served as President (Mar 2024 - Jun 2024), leading technical events and project management.
- Held the roles of Secretary (Jan 2024 - Mar 2024) and External Affairs Lead (Jul 2023 - Jan 2024), managing operations, partnerships, and recruitment.
- Certificates: [Secretary Certificate] [Lead Certificate]

Web Development Team Monitor   Aug 2022 – Jun 2023

Computer Society of India [Certificate]   *Vellore Institute of Technology, AP*

- Led an 8-member team in the SPM-Web Development Course, improving management and critical thinking skills.
- Completed two projects incorporating evaluation methods for team growth and project success.

PROJECTS

SonarGuard: Intelligent Radar System with Arduino | *Arduino, Ultrasonic Sensors*   January 2024 – Present

- Developing SonarGuard using Arduino, ultrasonic sensors, and servo motors for real-time object detection and visualization.
- Providing a cost-effective solution for security, surveillance, and automation applications.

CareerNexus: Candidate Matchmaker Using NLP | *TF-IDF, NER, SBERT, NLP*   February 2025 – Present

- Building an NLP-based candidate-job matching system using TF-IDF, Named Entity Recognition, and SBERT.
- Enhancing resume-job relevance, improving recruitment efficiency, and automating candidate shortlisting.

Predicting Graduation Rates of University Students | *Machine Learning*   September 2024 – November 2024

- Developed a Machine Learning model to predict student graduation using academic, demographic, and lifestyle factors.
- Optimized SVM, Random Forest, and XGBoost models, achieving 98.18% accuracy.

Support Ticket Triage System (Automatic) | *[Link to Document]*   March 2024 – April 2024

- Implemented an ML-based ticket categorization system with Flask for a user-friendly interface.
- Enabled real-time updates using JavaScript and AJAX, optimizing customer support operations.

Gesture-Based Appliance Control | *[Link to Document]* 　　　　　　　　　August 2023 – December 2023
- Led the team to successfully complete the project on time, debugging Python code and integrating hardware.
- Enhanced user-appliance interaction by implementing gesture-based control.

Water Quality Monitoring System | *[Link to Document]* 　　　　　　　　August 2023 – December 2023
- Developed an IoT-driven system to monitor water quality with real-time data analysis.
- Enhanced user interface accessibility and usability through web development.

360-CODECART | *HTML, CSS, JavaScript, PHP, MySQL* 　　　　　　　　　　　　　　　July 2024
- Developed a full-stack e-commerce site with user authentication, dynamic listings, real-time cart updates, and CRUD operations.
- Link: [360-CODECART]

Language Translator Website | *JavaScript, API Integration* 　　　　　　　　　　　　　June 2024
- Built a responsive web app for real-time text translation using the MyMemory by Translated Labs API.
- Link: [Language Translator Website]

Beauty Care Product Website | *HTML, CSS, JavaScript* 　　　　　　　　　　　　　　June 2024
- Developed a modern, user-friendly website with responsive design and advanced CSS animations.
- Link: [Beauty Care Product Website]

Swift - Trip Decider | *HTML, CSS, JavaScript* 　　　　　　　　　　　　　　　　February 2024
- Enhanced a travel planning website with secure login, payments, AI Chatbot, Budget Calculator, and Carbon Footprint Calculator.
- Link: [Swift - Trip Decider]

EDUCATION

Vellore Institute of Technology 　　　　　　　　　　　　　　　　　　Andhra Pradesh, India
Bachelor of Technology in Computer Science and Engineering 　　　　　　　　　　　　*2022 – 2026*
CGPA: 9.11 | Up to 2025 (Up to 5th Semester)

Sunshine Residential Public School 　　　　　　　　　　　　　　　　　　Patna, India
Senior Secondary School (CBSE) 　　　　　　　　　　　　　　　　*May 2020 – June 2022*
Grade: 82.8% | [Marks Statement cum Certificate]

Vidya Vihar Residential School 　　　　　　　　　　　　　　　　　　Purnia, India
Secondary School (CBSE) 　　　　　　　　　　　　　　　　　*May 2018 – April 2020*
Grade: 94% | [Marks Statement cum Certificate]

SKILLS

Programming Languages: Java, Python, SQL, PL/SQL, R, MATLAB, HTML, CSS, JavaScript, AJAX, PHP
Frameworks & Libraries: React.js, Flask, pandas, NumPy, Matplotlib
Tools/Platforms: Amazon Web Services (AWS), Project Management Tools, Power Business Intelligence (Power BI), Microsoft Office, PowerPoint Presentation, Visual Studio Code (VS Code)
Databases: MySQL, Database Management Systems (DBMS), Database Administration (DBA), Data Warehousing
Concepts: Object-Oriented Programming (OOP), Data Structures and Algorithms (DSA), Full-Stack Web Development, Software Design, Artificial Intelligence (AI), Machine Learning (ML), Natural Language Processing (NLP) – Basics, Computer Networks (CN), Operating Systems (OS), Data Preprocessing, Data Analysis, Data Visualization
Soft Skills: Strong Communication, Leadership Skills, Teamwork, Problem Solving, Multi Tasking, Adaptability, Critical Thinking, Time Management, Decision Making, Collaborative Work, Analytical Skills, Attention to Detail, Creativity, Public Speaking
Languages Spoken: English, Hindi, German

CERTIFICATIONS

Introduction to Java (Issued by Sololearn) | [Certificate Link]
Java Code Maestro (Issued by Vellore Institute of Technology, Andhra Pradesh (VIT-AP), India) | [Certificate Link]
MATLAB Onramp (Issued by MathWorks) | [Certificate Link]
Optimization Onramp (Issued by MathWorks) | [Certificate Link]
Oracle Java Certified Foundations Associate (Issued by Oracle Corporation) | [Certificate Link]
Amazon Web Services (AWS) Academy Cloud Foundations (Issued by AWS) | [Badge Link] | [Certificate Link]
Amazon Web Services (AWS) Academy Cloud Architecting (Issued by AWS) | [Badge Link] | [Certificate Link]
Apna College – Full Stack MERN Website Development Course (Currently Pursuing)