Vasu Naman Verma

vermavasun@gmail.com | (209) 244-6777 | vasuv.dev | linkedin.com/in/vasunverma | github.com/vasunverma

EDUCATION

Texas A&M University, College Station, Texas *Aug 2022 – May 2024*
Master of Computer Science - GPA: 3.89/4.0

Thapar Institute of Engineering and Technology, Patiala, India *Aug 2016 – July 2020*
Bachelor of Engineering in Electronics and Computer - GPA: 9.6/10.0

Relevant Coursework : *Software Engineering, Analysis of Algorithms, Artificial Intelligence, Deep Learning, Algorithms for Big Data, Operating Systems, Distributed Systems and Cloud Computing, Quantum Algorithms, Data Mining and Analysis*

SKILLS AND CERTIFICATIONS

Languages: C++, Java, Python, JavaScript, SQL (Postgres, MySQL), R, Ruby on Rails, HTML, CSS
Frameworks: Django, React, Node.js, Flask, Tensorflow, Keras, Chakra UI
Tools: AWS, Heroku, REST, SOAP, Git, Docker, Kubernetes, Postman, Jenkins, JIRA, Maven
Others: Agile (Scrum/Kanban), SOLID, Design Patterns, Debugging
Certifications: AWS Certified Cloud Practitioner

EXPERIENCE

Amdocs Gurgaon, India
Software Engineer Experienced *Sept 2020 – July 2022*

- Orchestrated 3 iterative client data-gathering phases, ensuring accurate project information.
- Collaborated with the Ordering Team to streamline loan creation into a concise 5-step interface.
- Reduced technician wait times by 50% by implementing an Appointment Booking System to optimize resource allocation.
- Consolidated 3 pages into 1, enabling support staff to access and troubleshoot all customer devices from a single interface.
- Developed logic for payment processing leveraging 3rd party payment processors, enhancing transaction accuracy.
- Headed 25% of new CRM features per quarter, driving product enhancement and innovation.
- Created APIs and user interfaces using Java and Java Swing to enable seamless customer case creation.
- Devised and executed Database Schema for iterations, ensuring organized data and scalability.

OYO Gurgaon, India
Software Engineer Intern *Jan 2020 – June 2020*

- Built a user-friendly Menu-Driven Interface used by 2 teams for SQL query creation, storage, and distribution on Hive.
- Automated customer onboarding with an Excel parser, cutting onboarding team's time by 40%.
- Constructed Health Status Indicator for Invoice Team services, improving monitoring and issue resolution.
- Wrote API logic for the Invoice and Taxation Team using Ruby On Rails.

PROJECTS

- **AudioBid :** Built a Django-based web platform for voice transcription jobs, featuring dynamic pricing, a chat system, job claiming, and multiple audio upload options. Integrated Google OAuth2 and AWS SES for user authentication and communication.
- **Music Recommendation App:** Created a music recommendation app utilizing a custom NLP model for analyzing song lyrics and generating recommendations via TF-IDF vectorization and cosine similarity. Integrated the system into a Flask app, offering enhanced user experience with direct Spotify links to recommended songs.
- **Image Caption Generator:** Implemented an Image Caption Generator using advanced Computer Vision and Deep Learning techniques. This project utilized CNN to extract image features and LSTM networks to generate contextually relevant captions for images. It was trained on a subset of Flickr_8K dataset and successfully provided image annotations.
- **Hospital Management System:** Developed a comprehensive Hospital Management System with a user-friendly web interface, incorporating essential CRUD operations and secure login features. Employed HTML/CSS and JavaScript for the front-end and PHP and MySQL for back end.
- **Smart Air Purifier :** Designed an affordable smart air purifier controlled via web application, utilizing C++, Arduino, AWS IoT, JavaScript, and HTML/CSS. It features automatic activation based on dust levels and employs HEPA H13 and activated carbon filters for effective indoor air purification.

HONORS

- College awarded Merit Scholarships throughout undergrad for being in the top 5% of class.