Vasu Naman Verma

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EDUCATION

Master of Science in Computer Science   08/2022 – 05/2024 | College Station, TX
Texas A&M University

Bachelor of Engineering in Electronics and Computer   08/2016 – 07/2020 | Patiala, Punjab, India
Thapar Institute of Engineering and Technology

Relevant Coursework: Software Engineering, Analysis of Algorithms, Artificial Intelligence, Data Mining, Distributed Systems and Cloud Computing, Quantum Algorithms

SKILLS

Languages (C++, Java, Python, SQL, JavaScript, PHP, HTML/CSS) | **Frameworks** (Django, Rails, Node.js, REST)

Tools (Git, Heroku, JIRA, Docker, Postgres, Maven) | **AWS** (S3, SES, EC2, Lambda)

CERTIFICATIONS

- AWS Certified Cloud Practitioner 🔗

PROFESSIONAL EXPERIENCE

Software Engineer | Amdocs Development Centre   09/2020 – 07/2022 | Gurgaon, India
- Led 25% of feature creation of CRM per quarter
- Developed Logic for Payment Processing using 3rd Party Payment Processors
- Coordinated Data Gathering from the Client for 3 Iterations
- Collaborated with Ordering Team and Redesigned interface for Loan creation reducing the process to 5 steps
- Reduced wait time of technicians by creating Appointment Booking System
- Developed APIs for Customer Case Creation and Service Inventory Details
- Planned Database Schema Designing for new Iterations
- Creating Test Suite for the APIs to be run during every build
- Writing configuration Files for API Authentication and User Interface restrictions

Software Engineer Intern | OYO Rooms   01/2020 – 06/2020 | Gurgaon, India
- Designed APIs for the Invoice and Taxation Team using Ruby On Rails
- Built Menu-Driven Interface for internal users to create, save and share SQL queries and run them on Hive
- Developed Excel Parser to automate manual handling of customer on-boarding
- Designed Health Status Indicator for Services used by Invoice Team

PROJECTS

AudioBid (Voice Transcription Job Portal)
Python, Django, AWS S3, AWS SES, PostgreSQL, JavaScript, Git, Heroku
- Developed a full-stack web application using Django to provide voice transcription jobs
- Implemented dynamic pricing feature that increases the price of jobs every 24 hours to engage more workers
- Integrated Google OAuth for Login and AWS SES for Forgot Password email
- Multiple audio upload options, including direct recording, PC upload, and Google Drive integration
- Used AWS S3 for storing all audio recording and for streaming
- Enabled users to claim jobs from an available jobs pool and get paid after the job is reviewed by the poster
- Developed a chat system that facilitates communication between users, promoting a seamless workflow

Binary Classification with High-Dimensional Data
R, Caret, Baruta, XgBoost, Tensorflow, PCA, Keras, RandomForest
- Developed ML models for binary classification using a dataset with 500+ predictors and limited sample size
- Reduced predictors to 20 using PCA/Baruta, maintaining high predictive power
- Experimented with various classification algorithms (decision trees, random forests, SVMs) to find best model
- Achieved 82% accuracy on the validation set using rigorous cross-validation techniques to estimate test error.
- Generated insightful visualizations and statistical summaries of data and modeling results