

# Vasu Naman Verma

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🔗 github.com/VasuNVerma

## EDUCATION

**Master of Science in Computer Science**  
Texas A&M University

Aug 2022 – May 2024 | College Station, TX

**Bachelor of Engineering in Electronics and Computer**  
Thapar Institute of Engineering and Technology

Aug 2016 – Jul 2020 | Patiala, Punjab, India

## SKILLS

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

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

## PROFESSIONAL EXPERIENCE

### Software Engineer

Sep 2020 – Jul 2022 | Gurgaon, India

Amdocs Development Centre

- 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

Jan 2020 – Jun 2020 | Gurgaon, India

OYO Rooms

- 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

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

### Smart Air Purifier

C++, Arduino, AWS IOT, HTML/CSS, JavaScript, P5.js

- Designed and developed a budget-friendly smart air purifier controlled using a web app
- Integrated dust, temperature, and humidity sensors to provide real-time feedback on the air quality
- Implemented an automatic switch-on feature that activates when the dust density is above a certain limit
- Employed the MQTT protocol to enable real-time communication between the air purifier and the web app
- Utilized a HEPA H13 grade filter and an activated carbon filter to efficiently clean the indoor air

## HONORS, AWARDS & EXTRA CURRICULAR ACTIVITIES

- Merit scholarship awarded by college throughout undergraduation for being in top 5%.
- Volunteered in the 'Sanskriti ke sath Prakarti' - an initiative of the NGO Sanskriti ke Sarthi for planting trees in the community.