

Parth Kharwar

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Education

The Ohio State University, Ohio

Aug, 2021 – May, 2023

Master's in Computer Science and Engineering

Vidyalankar Institute of Technology, Mumbai University, India

Aug, 2016 – May, 2020

Bachelor of Computer Engineering

CGPA: 8.78 / 10

Work Experience

Parsimony LLC.

Jun, 2020 – Jul, 2021

Software Developer

- Developed ERP features for companies using the Amazon Marketplace
- Worked with Python, JavaScript and MariaDB to contributed features and bug fixes to OSS frameworks ERPNext and Frappe
- Built a browser extension in VueJS to access SOPs across websites
- Redesigned and built several client-facing web pages and user dashboards

Cerebranium OU

Apr, 2020 – Jun, 2020

Mobile Application Developer

- Developed a Doctor-Patient mobile-first health platform using Flutter
- Focused on symptom monitoring during the COVID-19 pandemic
- Utilised cloud functions and Google Firebase for data storage and retrieval

Bloomstack (formerly DigiThinkIt Inc)

Dec, 2019 – Jan, 2021

Software Engineering Intern

- Developed ERP features for companies in the Cannabis industry in the USA
- Worked on OSS ERPNext and Frappe frameworks
- Worked on Microservice architecture and trained in Dev Ops

Freelance Web Developer

Sep, 2018 – Present

- Business website for [Priyaanka Shah, Clinical Psychologist](#)
- Artists portfolio and store for Just Craftin' by Anishka
- Company website for [Natech Solutions India Pvt. Ltd.](#)

Skills and Coursework

Development Skills

- Programming: Python, C, C++, Java, Dart, MATLAB
- Frameworks: Ionic, VueJS, NestJS, Flutter
- Databases: MySQL, PostgreSQL, PHP, Firebase, MariaDB
- Web Development: HTML, CSS, JQuery, JavaScript, TypeScript, Tailwind and Bootstrap
- Other: Computer Vision with OpenCV and TensorFlow, Kivy

Relevant Coursework

- Machine Learning, Artificial Intelligence, Computer Vision, Robotics, Natural Language Processing

Other Skills

- Extensive experience with Windows and Linux development environments
- Experienced in MS Office, Git and GitHub, Google Colab and Jupyter and CLI Dev tools

Soft Skills

- Leadership: Student Mentor, Chairperson and Events Head at the Computer Society of India, VIT
- Teamwork Skills: Lead Curator and Managing Committee Member for TEDxVIT

Publications

Research Paper on Accessible and Ethical Data Annotation with the Application of Gamification.

Presented at REDSET 2019. Published in [Springer: CCIS](#)

Projects

FlexSmart - Fitness Trainer

- Mobile application using Ionic to monitor an individual during exercise
- Posture analysed using Pose Estimation in TensorFlow JS with Mobile Net
- Corrects posture in real-time with visual and audio alerts

TourTime - A Virtual Tour Guide

- Mobile application using Ionic to identify a landmark from a captured image
- Data server in NestJS and image recognition using TensorFlow in Python
- Admin dashboard using VueJS for system management and overview

RunTime - Tyre Pressure Monitoring System

- Mobile application using Python Kivy to monitor tyre pressures in real-time
- Dashboard for overview and management of all vehicles in a fleet

ResidenC - Hotel Management Software

- Developed using data structures and the C graphics library
- Aimed at demonstrating the use of data structures in complex management systems

A complete overview of projects is accessible on my [website](#)