

## Prashil Soni

334-220-6699 | [soniprashil64@gmail.com](mailto:soniprashil64@gmail.com) | [www.prashill.com](http://www.prashill.com) | [linkedin.com/in/prashill](https://linkedin.com/in/prashill) | [github.com/prashill](https://github.com/prashill)

### EDUCATION

Auburn University at Montgomery | USA

Jan 2020 - May 2021

**Master of Science, Computer Science**

GPA: 4.0/4.0

Relevant Course Work: Machine learning, Advance database system, Frontend & Backend web development, 3d engineering design

Gujarat Technological University | India

Aug 2015 - May 2019

**Bachelor of Engineering, Computer Engineering**

CGPA: 7.30/10

Relevant Course Work: Data Structures & Algorithms, Object-Oriented Programming Java, Computer Architecture, Operating system

### TECHNICAL SKILLS

**Programming Languages:** JavaScript, Python, core JAVA, C++, PHP

**Web Technologies:** HTML, CSS, Vanilla JavaScript, Bootstrap, jQuery, AJAX, JSON, REST API, ReactJS, NodeJS, ExpressJS, Django, Flask

**Technologies, IDEs, Tools:** AWS (EC2, S3), Git, npm, Visual studio code, Xcode, Adobe Photoshop, XD, Illustrator, Figma, Blender

**Operating Systems:** Linux, OS X, Windows, Android

**Database:** MySQL, MongoDB, PostgreSQL

### PROJECTS

**Cryptocurrency using blockchain** Technologies: Python, Flask, postman, JavaScript, React

- Initially using OOP in python build a class Blockchain (a public ledger of transactions) Implemented as a list of blocks, coded block module that contains timestamp, last hash, data and hash. Follow clean code principles in python.
- Used JSON, sha256, utf-8 encoding & decoding for hashing. Test the app and find bugs using Pytest.
- Incorporate the crucial concept of Proof of work (difficulty, nonce, mining) into the Blockchain.
- Create a blockchain API using Flask and postman that read the blockchain and mine new block.
- Integrate the Cryptocurrency by building Wallets, Keys, Transactions, Transaction pool, digital signature using OOP python.
- Design the frontend by building a UI for the cryptocurrency portion of the system, applied JavaScript, connect backend to the frontend, fetch blockchain API data using react and used concept like component & props, useState, useEffect, context, hooks, paginated fetch data in react.

**React Projects** (deploy in github using Git)

- Expense Tracker**: used material UI, context API, Hooks, utilize doughnut graphs from chart.js to visualize income, expense
- Real-time Chat WebApp**: React hooks, props, login system in React. Utilize local storage to store ID & password of users, chatengine.io API will verify it. Features like sound notification, images sharing, group chatting and also admin dashboard.
- Weather WebApp**: Use open weather API and fetch weather data in JSON format by passing search values from input.

**3d E-commerce** Technologies: MongoDB, ExpressJS, ReactJS, Node, Material UI, threeJS, Bootstrap, jmeter

- Using nodeJS and express routing, I built a RESTful API endpoint, incorporated threeJS to give 360° view of products.
- Created SQL stored procedures for some frequent transactions, e.g. login.
- Functionality including authentication, validation, CRUD operation by admin, search filters for products, add & remove product from cart, update profile information. Use stripe for the payment module. Deploy it on heroku.

**University Launchpad** Technologies: HTML, CSS, JavaScript, jQuery, Ajax, JAVA, MYSQL, google news API

- Design system architecture, database, frontend and backend in JAVA using MVC architecture. Test application, fix the bugs, deploy on AWS (EC2). Follow the software development lifecycle. For mind mapping use a coggle website.
- Created SQL stored procedures for some frequent transactions, e.g. login.
- Students can perform daily tasks online including course enrollment and management, chat with students, read the latest news and get information on events. Fetch Google news API to retrieve news category wise from different news sources.

### EMPLOYMENT EXPERIENCE

**Graduate Teaching Assistant** | Auburn University at Montgomery

Jan 2021 - May 2021

- As a GTA guided more than 100 students & tutored 20 students in OOP C++ and 3d object modeling course.
- Helped professor in grading, attendance and individually developed online [check in](#) systems with Ajax, jQuery, PHP, MySQL.

**Software Engineer** | EliteEvince Technology, India

Dec 2018 - Nov 2019

- Collaborate with a team under agile methodology and build [Restaurant Ordering ERP](#) including admin dashboard, website ordering, delivery-dispatch & tracking, Polygon mapping for delivery charges & more.
- In order to construct a dynamic web application, I built APIs, a database (SQL server), and write code in Java. Engaged in the life cycle (SDLC) of analysis, design, and production. Shown communication skills by giving product features to clients.