

# Prashil Soni

Atlanta, GA | 334.220.6699 | [prashilsonius@gmail.com](mailto:prashilsonius@gmail.com) | [www.prashill.com](http://www.prashill.com) | [www.linkedin.com/in/prashils](https://www.linkedin.com/in/prashils)

## EDUCATION

<b>Master of Science, Computer Science</b> (GPA: 4.0/4.0)	<i>Auburn University at Montgomery, USA</i>	Jan20 - May21
<b>Bachelor of Engineering, Computer Engineering</b> (CGPA: 7.30/10)	<i>Gujarat Technological University</i>	Aug15 - May19

Courses: Data Structures & Algorithms, Operating Systems, Computer Organization, Compiler Design, Advanced Database Systems, Object Oriented programming with C++, Frontend & Backend web development, 3d engineering, Machine Learning

## TECHNICAL SKILLS

<b>Programming Languages:</b>	JavaScript, Python, Java, C++, PHP
<b>Web Technologies:</b>	HTML, CSS, Bootstrap, jQuery, AJAX, JSON, Restful APIs, Vue.js
<b>Database:</b>	MySQL, Mongo DB, PostgreSQL, H2
<b>Operating Systems:</b>	Windows, Linux, Mac OS, Android
<b>Framework / Libraries:</b>	Django, Flask, Spring Boot, React, Angular, Express, Node, Pandas, SciPy, NumPy, sklearn
<b>Technologies &amp; tools:</b>	AWS (EC2, S3), Git, Jenkins, Adobe Photoshop, XD, Illustrator, Figma, Blender, NPM, Jira

## EMPLOYMENT EXPERIENCE

**Graduate Teaching Assistant** | Auburn University at Montgomery, USA Jan 2021 - May 2021

- In the Object-oriented programming C++ and 3D Modeling course, I managed 120+ students and mentored 20+ individuals.
- Assisted professor with grading, attendance, and constructed my own online check-in systems using Ajax, jQuery, PHP, and MySQL, which help us manage limited seating conditions during covid time.

**Software Engineer** | Elite Evince Technology, India Dec 2018 - Nov 2019

- Involved in various phases of **Software Development Life Cycle (SDLC)** which includes requirement gathering, modeling, analysis, architecture design and prototyping.
- Collaborate with a team under agile methodology and Worked on a large Restaurant Ordering ERP system. Built APIs in Spring Framework, **MySQL** database, and frontend in **React**.
- Using **React** and **CSS**, created an entire **end-to-end** product that enhanced the client's revenue by 15%.
- Improved reusability by revamping the front-end architecture with **React** and **Redux**.
- Worked on **Responsive Web Design (RWD)** to make website responsive for Desktop, mobile and Tablets using Bootstrap and Media Queries, Used JavaScript to implement Google Maps within the site.
- Worked with cross-functional teams to deliver a revamped website, worked on **Cross-Browser compatibility**, and fixed the bugs for several browsers, evaluated the site for compliance with WCAG 2.0 AA guidelines on web browsers like Chrome, Safari, Firefox, and IE and logged the results.
- Implemented charts and visualized large amounts of data using **D3 Js** and High **Charts Js** libraries.
- Automated image optimization, using **Grunt**, **minified JS**, and **CSS**, which reduced page load times by up to 30%.
- Node-powered workflow and build system involving **gulp**, **webpack**, **Post CSS**, and other tools.
- Experienced consuming APIs using **AJAX** and **manipulating/consuming JSON objects**.
- Using the **Jest** testing framework, I created various test cases for Ui and components.
- Worked with **GIT** distributed version control and **Jenkins CI/CD** pipeline for deployment
- Worked with a diverse **team** of product owners, UX designers, and developers in a fast-paced technology, with quick iterative cycles.

## INTERNSHIP EXPERIENCE

**Software Engineer intern** | Elite Evince Technology, India June 2018 – Aug 2018

- Redesigned frontend by **sketching wireframe** in figma and converting them to the react web application.
- Implemented **React JS components**, Forms, Events, Keys, Router, Animations, and Flux concept.
- Developed applications with **React Js** and **ES6**, allowing us to render pages on both the client and the server.

- Maintain Parent and child elements by using State and Props in **React Js**.
- Worked in using **React JS components, Forms, Events, Keys, Router, Animations and Flux concept**.
- Integrated Front-end components with **RESTful APIs** to develop a fully functioning web page.

## ENGINEERING PROJECTS

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### Cryptocurrency using blockchain [Python, Flask, postman, JavaScript, React.js]

- 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.
- Created a blockchain API using Flask and postman that read the blockchain and mine new block.
- Integrate the Cryptocurrency by Wallets, Keys, Transactions, Transaction pool, digital signature, Proof of work in python.
- Design the responsive frontend by building a UI for the cryptocurrency portion of the system, applied JavaScript, connect backend to the frontend, fetch blockchain API data and used advance concepts in React.js like component & props, useState, useEffect, context API, hooks, paginated fetch data in React.js.

### 3d E-commerce [(MERN stack) Mongo DB, Express, React, Node, Material UI, Three.JS, Bootstrap]

- Using Node.js and express routing, built a Restful API endpoint, and incorporated Three.js to give 360° view of products.
- 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.
- **expense tracker using React** : used material UI, context API, Hooks, utilize doughnut graphs from chart.js to visualize income, expense
- **Real-time Chat WebApp using React**: 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 admin dashboard.

### University Launchpad [HTML, CSS, JavaScript, PHP, MYSQL, Google news API, Weather API]

- Design system overview, database, frontend in React, backend in PHP. Test application, fix the bugs, deploy on AWS (EC2). Follow the software development lifecycle. Mind mapping is done in coggle website.
- Created REST API using spring boot, tested API in postman, fetch API in React, and perform CRUD operation, SQL stored procedures function for some frequent transactions, e.g. login. Fetch Google news API to retrieve news.
- Students can do course enrollment and management, chatting, read the latest news, weather and Information of events.