Saksham Jhawar

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EDUCATION

Arizona State University **Tempe, AZ** **Aug 2019 – May 2021**

- **Major:** Software Engineering (M.S) (GPA: 3.33)
- **Coursework:** Advanced Algorithm and Data Structures, Foundations of Software Engineering.

R.V College of Engineering **Bengaluru, India** **Aug 2015 – May 2019**

- **Major:** Information Science and Engineering (B.E) (GPA: 7.62)
- **Coursework:** Data Structures and Algorithms, Object Oriented Programming, Database Management Systems, Web Programming**,** Big Data Analytics, Web Programming, Basics of Software Engineering.
- Grader for Soft Computing (12IS5A2) and Teaching Assistant for Software Engineering (12IS62)

EXPERIENCE

Web development Intern

Bharat Rohan Airborne Innovations Pvt. Ltd **New Delhi** **June 2017 – July 2017**

- Employed mastery of front-end languages (*HTML5, CSS, Bootstrap*) in collaboration with a fellow intern to create website layout (9 pages) and features from scratch.
- Used version control software (*GitHub*) to track and update source code.
- Integrated back-end services using *PHP* and *MySQL* to access data for individual user.
- Development in Agile environment. (Tool used: Taiga.io)

PROJECTS

NumberNinja – A Web Application designed to help students learn math.

- Designed a web based interactive (*Blockly playground*) application for students and teachers.
- Student can solve assignments published by professors and professors can grade these assignments.
- Performed version controlling and maintenance using *GitHub* and *Travis CI*.
- Application development in *Agile* environment. (Tool used: JIRA)
- **Technologies:** *AngularJS, Node.js, MongoDB, HTML5, CSS3, RESTful API.*

Implementing Machine Learning in Edge Devices (Capstone project)

- Developed a fire detection and automated water irrigation device that uses machine learning to make real time decisions.
- Training of machine learning model (Linear regression) using dataset borrowed from RV College of Engineering, Bengaluru.
- Decision based on classifier values.
- **Technologies:** *Python, DHT11 sensor, LM45 sensor, soil moisture sensor.*
- **Publication:** *Harish, A and Saksham, Jhawar. "Implementing Machine Learning on Edge Devices with Limited Working Memory", Inventive Communication and Computational Technologies, Springer Publications, ISBN:* 978-981-15-0145-6

Faculty Expertise System (FES)

- Developed an expertise system with the aim of easing out and eliminating traditional procedures that involved data storing and retrieval.
- Developed a common portal for Faculty and students to store and modify personal details.
- Portal being used as a centralized repository in RV College of Engineering, Bengaluru.
- **Technologies:** *SQL, HTML5, Bootstrap, PHP.*

SKILL SET

- Technical: C, C++, Python, HTML5, CSS, MySQL, MongoDB, PostgreSQL, CSS, XML, PHP, AngularJS, Node.js, Arduino, Git, RESTful API, AWS: EC2, Beanstalk, Lambda, S3, GCP: Firebase, Web Servers: Nginx, Apache, Docker, Kubernetes, MS Suite.
- Web development head, event management and hospitality coordinator for RVCE's cultural fest 8th Mile.
- State level tennis player, college team captain and district champion for 3 consecutive years.
- Completed a course on "Web Development**"** on Internshala.