Shaswat Babhulgaonkar

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CAREER SUMMARY

Highly motivated and dynamic individual with 2 years of work experience as a Software Developer interested in Software Engineering and Software Development related opportunities that will challenge me to become more innovative and passionate about it.

EDUCATION

Master of Science: Computer Science   **California State University East Bay, USA**   **(GPA: 3.5/4.0)**

Courses: Advanced Algorithms, Web Systems, Statistics and Probability for Science and Engineering   **(Expected May 2021)**

Bachelor of Engineering: Computer   **Savitribai Phule Pune University, India**   **(GPA: 8.25/10.0)**

Courses: Software Engineering, Data Structures, Machine Learning, Computer Networks, Operating Systems, Database Systems

TECHNICAL SKILLS

Languages: C, C++, Java, Python
Technologies: HTML, CSS, JavaScript, PHP, Node.js, React JS, Express JS, Electron JS, XML, XSLT, REST API, .NET
Databases: MySQL, MongoDB, Microsoft Access
Tools: PyCharm, WebStorm, IntelliJ, Android Studio, Keras, Tensorflow, Scikit-learn, NLP, GIT, Selenium, Postman

EXPERIENCE

Software Developer   **WE33RAS IT PVT. LTD, Pune, INDIA**   **Jul 2018 - Jul 2019**
- Designed the UI for company named Equithinks using HTML5, CSS3 and JavaScript with Node.js used for server side scripting.
- Implemented a system for management of finances using Java applets and MySQL as backend database.
- Exposure of working on Agile software development methodology using Scrum.
- Tailored Content Management System(CMS) application using .NET as front end technology with MySQL as backend database.
- Developed 3 Content types for Content Management System using XML and XSLT increasing the usability for content editors.

Software Developer   **WERAS INFOTECH, Vaijapur, INDIA**   **Sep 2017 - Jun 2018**
- Designed, developed and implemented software applications that satisfy core business requirements.
- Implemented Library Management system using .NET framework with Microsoft Access as database.
- Used REST API along with PHP, to implement a Content Owner Searching system and tested it at API level using Postman.
- Followed Software Development Life Cycle(SDLC) process for overall development of various software products.

PROJECTS

Tour Company Application
Developed a multi-user web application for a fictional tour company that takes it customers on tours. Implemented various modern front-end and server-side web development techniques.   **Tools**:- *HTML5, CSS3, JavaScript, Node.js, React JS, Express, JSON, Git.*

Machine Learning for Prediction and Diagnosis of Cardiovascular Diseases
Designed a system which can predict the risk of Heart Disease based on certain medical tests. Multi-layer Perceptron Neural Networks provided highest accuracy among various machine learning algorithms. **Tools**:- *Python, PyCharm, PHP, Neural Networks, Flask API.*

Handwritten Digit Recognition
Built and design a tool to do automatic evaluation of handwritten digits. Implemented some of the most widely used machine learning and deep learning algorithms to compare the accuracy and results. **Tools**:- *Keras, Tensorflow, Scikit-learn, CNN, Python*.

Twitter Sentiment Analysis
Implemented an opinion mining to do sentiment analysis of any topic by parsing the tweets fetched from Twitter to classify each tweet as positive, negative or neutral. **Tools**:- *Natural Language Processing(NLP)*, *Python, Twitter API, Tweepy, TextBlob.*

Android Smart City Traveler
Developed android application that creates a schedule for traveler travelling to city and wanted to explore the city by specifying time in hours. App led to quicker decision making with respect to places to visit. **Tools**:- *Java, Android Studio, Asp.net, Foursquare API*

RESEARCH PUBLICATIONS

Prediction and Diagnosis of Cardiovascular Diseases using Machine Learning: Published in IJIRT Journal 2019
Artificial Intelligence making Driverless Cars Smarter: Presented at IEEE ICKDST Conference and Published in IJCEA 2018
Mind Reading Computer Technology: Published in IJSRCSEIT Journal 2017

CERTIFICATIONS

Modern Application Development: Certified by HASURA Indian Institute of Technology IIT Madras
Fundamentals of Database Systems: Certified by NPTEL Indian Institute of Technology IIT Kanpur
Internet of Things (IoT): Certified by NPTEL Indian Institute of Technology IIT Kharagpur

ACHIEVEMENTS AND ACTIVITIES

Event Coordinator: Managed start-up services platform and student activities organized by Entrepreneurship Cell.
International Physics Olympiad Scholar: Amongst the top 35 students from country to attend OCSC at TIFR Mumbai India(2014)
Cricket Tournaments: Actively participated in various inter school and college level Cricket Tournaments.