CHHAYA SHARMA

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An enthusiastic graduate specialized in Software Engineering with a 1.1 degree. Possesses relevant professional experience gained from internship and work experience on various programming languages and platforms.

Eager to challenge myself to grow and further improve my skills.

* Detail-oriented problem solver with experience in Web & Software Development.
* Strong interpersonal skills with teambuilding and leadership qualities.
* Aspiring to become a Software Developer and secure a place which can best utilize my knowledge and can provide me opportunities for progression.

# SKILLS

### **LANGUAGE**

Java, C, C++, Python, PHP

### **WEB**

HTML, CSS3, JavaScript, jQuery, Angular, REST, ASP.Net, Bootstrap, Ajax, Media Queries

### **Machine learning**

Pandas, NumPy, Scikit-learn, Matplotlib, SciPy

### **Database**

MySQL, NoSQL, MongoDB, Firebase, PL SQL

### **Version Controlling**

GitHub, Bitbucket (CI/ CD)

### **Framework**

.Net Framework, CodeIgniter, Angular

### **Kubernetes & DOCKER**

# EXPERIENCE

## Web Developer / YOS EduTech Pvt Ltd, Navi Mumbai, India (June 2017 – August 2017)

* Successfully lead the team of interns and delivered 3 websites for customers.
* Interacted with customers and prepared detailed reports for their requirements.
* Utilized Programming capabilities in PHP, SQL and JavaScript and other libraries as needed. Converted mockups into websites using HTML, JS & AJAX.
* Represented the team at meetings, discussed project goals and milestones.

## Trainee Software Developer / Merrydays Food Company, India (August 2018 – July 2019)

* Developed new product for employee evaluation which resulted in 23% increase in employee productivity.
* Recommended design improvements and provided solutions for existing bug fixes.
* Supported chief Operating Officer with daily operational functions.
* Converted mock-ups into HTML, JS, Ajax and JSON
* Used Java Design Patterns, and applied SOLID Principals in application

# EDUCATION

## Bachelor of Engineering (Honors) Software Engineering (1.1 First-class honours)

## Athlone Institute of Technology (2019-20)

|  |  |  |  |
| --- | --- | --- | --- |
| * Agile Methodologies | * Software Design | * Databases | * Networks |

## Bachelor of Science Information Technology (1.1 First-class honours)

## Bharati Vidyapeeth Deemed University, Pune (2015-18)

# PROJECTS

1. **Credit Card Fraud Detection (Machine Learning)**

* Analyzed data for customer transactions and transformed it using PCA, bringing out strong patterns in dataset.
* Implemented & Compared Isolation Forest and Local Outlier Factor Algorithms.
* Used Matplotlib to plot correlation matrix and visualize the dataset
* Refined algorithms to achieve 90% confidence rate for finding anomalies.

#### **Hand Motion Detection (Image Recognition)**

* Project in python to detect hand motion and gestures.
* Detected HSV image area with certain color and plot detected points into a result set.
* Made use of OpenCV and Python to read frame and NumPy to perform mathematical calculations.

1. **News Paper Delivery System (Agile Development in JAVA)**

* Java based System which helps newspaper company to manage and store customers details, deliver newspapers and generate invoice.
* Used Bitbucket features like **Pipeline**, CI/CD, Issue tracker and pull request to work on project remotely and to get deliverable at the end of each sprint.
* Used easy backlog to make user stories, and for sprint planning.
* Followed **Test Driven Development** (TDD).

1. **Abode- Smart Housing Management System (Web Based - PHP, bootstrap, jQuery, AngularJS, MySQL)**

* A multi-family solution offering tool to simplify complex needs when managing property. Offering auditable accounting tools and work speed, which offers workflow automation and wireless communication.
* Useful for vendors, society members & committee members to audit and manage their monthly expense/income.

1. **Smart Farmer (Java Based)**

* Smart farmer is a knowledge-based farm management application that can help farmers in data-driven decision making for improving productivity built on the top of a powerful agricultural base.
* Utilized collection framework for searching and sorting agricultural equipment.

# REFERENCES

## Himanshu Trivedi Martina Curran

IT Specialist, PwC Lecturer, Athlone Institute of Technology

## himanshu.t.trivedi@pwc.ie mcurran@ait.ie