

Tatparya Shankar

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OBJECTIVE

To seek a challenging work environment, a position of responsibility that would allow me to utilize, develop and refine my technical skills and also enrich my knowledge

EDUCATION

Purdue University, West Lafayette, Indiana

May 2017

Bachelor of Science in Computer Engineering

Cumulative GPA: **3.86/4.00**

SKILLS

- Programming Languages
 - **Java, C, C++, C#, Python, Bash, MATLAB, JavaScript, SQL, HTML, CSS, PHP, XML**
- Software skills and interests
 - ASP.NET, Android Studio, Foundation, Bootstrap, MATLAB, Adobe Photoshop, Unity

WORK EXPERIENCE and LEADERSHIP

- **Web Developer Intern, ITap Informatics, Purdue University** Feb 2015 - present
 - Implemented various assigned features in web and android versions of Hotseat, a polling and discussion application used by over 1000 students in various courses at Purdue.
- **Summer Intern, Accenture, New Delhi** June - July 2014
 - Managed a group of interns and took up roles involving IT Strategy and Solution Design on a project assigned to Accenture by the Government of India, and proposed six best practices to improve the business environment in India
- **Project Manager, EPICS (Engineering Projects in Community Service)** Jan 2014 - Jan 2015
 - Designed a web application using the Django framework and concepts of Software Development Life Cycle and Agile Software Development, to connect service learning groups at Purdue to the Greater Lafayette community
- **IT Director, Purdue FIRST Programs, Purdue University** Jan 2014 - present
 - Leading the IT team of Purdue FIRST responsible for tasks such as cloud server and web management, app development and organization promotions.
- **Undergraduate Teaching Assistant, Purdue University** Jan 2014 - Dec 2014
 - Explained complex course material and assisted the course instructor in class of over 40 students

PROJECTS

- Programmed an **Android** Application using **Java** and **XML** to map out arm movements using the gesture controlled **MYO** armband using the **MYO API** in **C++**
- Implemented a **Binary Search Tree** algorithm in **C** to store, search and display requested reviews for restaurants in the **Yelp** database consisting of over ten thousand data points
- Developed an **Android** Application using the **Twitter API** that posts service requests to Twitter and then filters out posts for another end user to provide those services.
- Implemented an operational bank interface mock up using **SQL for database management** and **object oriented programming in C++** to incorporate basic banking features
- Designed an interactive game using concepts of **object oriented programming and multithreading in C++** along with incorporating motion sensing from an **Arduino microprocessor** using **Java**

HONORS AND AWARDS

- **Dean's List and Semester Honors** at Purdue University for scoring a perfect 4.0 GPA 2014
- Awarded **the Blue Blazer**, the award of highest prestige in high school for academic excellence 2012
- Awarded Honorable Red Blazer for 'Excellence in Sports' 2012
- Obtained an international **FIDE rating of 1612** for excellence in chess 2010