Priyansh Saxena

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Career Objective

- I wish to develop my skills in Computer Science and utilize them to further enhance the motives of a professional organization by working and growing in tandem with it.
- I seek a challenging assignment and responsibility with an opportunity for growth and career advancement as a successful achievement.

Education

2014 – Present

Bachelor of Technology Candidate (CGPA 8.64)

Indian Institute of Technology, Mandi, Himachal Pradesh

Chairman at IIT Mandi ACM Student Chapter (2016-2017)

Worked on the website for Exodia '16, tech-cult fest of IIT Mandi.

Second Runner-Up in Software Development Contest at 4th Inter-IIT Tech-Meet.

Winner in Stock-Market Analysis at 5th Inter-IIT Tech-Meet.

Projects

December 2015 – January 2016

AndroSecur

4th Inter-IIT Tech Meet

An android-based application that sends SMS alerts to trusted contacts and broadcasts your location to other users when triggered in case of emergency. Developed a web-portal to support the android-app.

March 2016 – May 2016

Ignis Bellator

Design Practicum

Developed a fire-fighting robot using micro-controllers, sensors and actuators.

February 2017 – March 2017

Stock Market Analysis

5th Inter-IIT Tech Meet

A web-app to scrape the most relevant articles from the web that predict the change in top gainers and losers in Dow-30. Uses Flask, Beautiful Soup, NLTK, Scikit-Learn and Goose.

April 2017 – May 2017

Optimal Wi-Fi Connector

Systems Practicum

A web-service to suggest the optimal access-point for a device. Uses Flask web-framework and implements request-response message-exchange pattern.

Work Experience

- **Research Internship at Siemens Technology and Services Pvt. Ltd., Bangalore (Dec '16 – Feb '17).**
  - Developed a code-base to benchmark the performance of SQL tools on Hadoop.
  - Created the end-points to utilize the REST API to monitor cluster-state.
  - Used general software-design patterns like Factory-Design and Command.
- **Research Internship at Siemens Technology and Services Pvt. Ltd., Bangalore (Jun – Jul 2017).**
  - Designed the architecture for a report-making tool using Apache HBase and Apache Phoenix.
  - Developed the basic code-base for individual modules of the tool.
- **Teaching Assistant, IIT Mandi**
  - Data Structures and Algorithms (Aug 2016 – Nov 2016).
  - Advanced Data Structures and Algorithms (Feb 2017 - Present).
- **Webmaster, Rann-Neeti 2016, IIT Mandi (May '16 – May '17)**
  - Developed the website of the 3rd edition of sports-fest of IIT Mandi.
  - Administrator for email-accounts, databases and content-management.

Self-Motivated Projects

- **Bridge –** A web-app to enable four players to play Contract Bridge. Uses TKinter and Flask.
- **Online Judge** – A web-app that can accept and judge computer-programs, based on a given input and expected output set. Developed on Django and can currently handle C and C++ languages.
- **DocAssist** – A contextual training-platform to help medics learn, based on the demography of their patients. Uses Django and NLTK to implement a Model-Template-View design pattern.
- **CnP Web Portal** – For IIT Mandi students to view and apply for jobs and internships, used by Career and Placement Cell of IIT Mandi

Relevant Courses

- Advanced Data Structures and Algorithms
- Computer Organisation
- Database Practicum
- Mathematical Foundations of Computer Science
- Data Visualization
- Pattern Recognition
- Artificial Intelligence
- Communicating Distributed Processes
- Systems Practicum

Technical Skills

- **Programming Languages:** C, C++, Java, Python, PHP, JavaScript.
- **Dev-Op Technologies:** Git, MySQL, nginx, apache2, Apache Maven.
- **SE Technologies:** Django, Flask, Drupal, jQuery, TKinter.

Positions of Responsibility

- Main Co-ordinator, Exodia '16 (IIT Mandi's tech-cult fest)
- Joint Sports Secretary, IIT Mandi (May '15 – May '16)