

Hiren Mayani

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Problem finder and problem solver with effective and innovative use of Computer Science.

Academic Details:

- **MS in Computer Science**, [Stony Brook University, New York](#) **Aug`17 - Dec`18**
 - **Course work:** Analysis of Algorithm, Artificial Intelligence, Big Data Analysis, Computer Vision
- **B.Tech in Computer Engineering**, [Dharmsinh Desai University, India](#) (CGPA: 8.46/10) **July`11 - May`15**
 - **Course work:** Data structures, Design & Analysis of Algorithms, Software Engineering, Object Oriented Modeling, Operating Systems, Database System, Knowledge Discovery, Image Processing, Artificial Intelligence

Work Experience:

- **Product Engineer (R&D)**, [Edgeverve Systems](#) **May`15 - July`17**

Worked on COMPASS - A product developed to design and manage next-gen workplaces.

 - Developed an application using Elasticsearch, Java and Kibana to analyze *live* email log data.
 - Designed and developed SOA web services to orchestrate among different components of a highly integrated solution using oracle middleware. These services are invoked 5,000+ times per minute through mobile, web and tablet applications.
 - Developed machine learning models to predict whether user will show up or not with the help of classification algorithms in R. In the final model, we were able to achieve *81% accuracy*.
 - Analyzed clients' past data to find patterns which were useful to improve product features.
 - **Technologies:** Java, BPEL, ELK, node.js, mongoDB, R, Tableau
- **Software Engineer Trainee**, [PurpleBits InfoSystems Pvt. Ltd.](#) **Dec`14 - Apr`15**
 - Worked on digitalizing millions of paper-based documents and making them available online using cloud application.
 - **Technologies:** Java, HTML, CSS3, js, Ajax, Restlet, mySQL
- **Summer Intern**, [PurpleBits InfoSystems Pvt. Ltd.](#) **Dec`14 - Mar`15**
 - Contributed in migration from SQLite to MySQL based web application.
 - Developed Java utility to extract data from Excel files and store it in a database.

Projects:

- **API for Gesture recognition** **June`14 - Nov`14**
 - Developed using java & OpenCV to interact with computer using gestures of face, eyes, & hands.
 - Software/Game developers can include this library in their code to generate events when any facial/hand gestures occur.
- **Smart website loader** **Dec`13 - Apr`14**
 - Detect client's connection speed and serve content based on it i.e the user with higher connection speed will get better GUI while the user with lower connection speed will get degraded GUI.
 - [Icreate](#) (International center for Entrepreneurship & Technology) funded this project for further development.
 - **Technologies:** Java, PHP, javascript
- **Online Quiz Portal** **Aug`13 - Dec`13**
 - Users can create and play quizzes on this web application which was developed using PHP, HTML/CSS/js.
- **Stock and inventory software** **Dec`12 - Apr`13**
 - This software was developed using Java to maintain stock and inventory information of the boiler company named .
- **Pacman Project** **Sept`17 - Dec`17**
 - This is an ongoing AI course project which involves python implementation of different game playing and graph traversal techniques.

Skill Set:

- **Programming Lang.:** Java, MongoDB, MySQL, Hadoop mapreduce, spark, Python, OpenCV, R, C, Elasticsearch, Kibana
- **Web-centric Skills:** Node.js, PHP, Wordpress, ASP.Net, HTML5/CSS3, Javascript, jQuery
- **Tools Used:** Tableau, Eclipse with SVN & Git, jDeveloper, Photoshop, Microsoft Visual Studio, Intel

Achievements:

- Won Code Relay coding contest organized by Infosys, India.
- Secured silver in CodeAgon coding contest on Hackerrank.

Volunteer Experience:

- **Website Development Head** for [DDUConnect.in](#) (university magazine) for 2 years.
- Lead team of 7 people to develop website of [Felicific`14](#), an annual techno-cultural festival of university.
- **Designing Head** for [Computer Society of India-Student Branch, DDU](#) for 2 years.
- **Coordinator** for web-voyage event in [Felicific`14](#) (university annual technical event).
- **Coordinator & Educator** at Becoming I Foundation NGO to teach underprivileged children.