

# Hiren Mayani

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## 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**, [Edgeverve Systems](#) May`15 - July`17

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

  - Developed machine learning models to predict whether the user will show up or not with the help of classification algorithms in R. Final model was having *81% accuracy*.
  - Designed and developed SOA web services to orchestrate among different components of a highly integrated solution using Oracle middleware. These services are being invoked 5,000+ times per minute through mobile, web and tablet applications.
  - Developed and tested(unit & functional) automation scripts to perform routine tasks using Java and oracleDB.
  - Single-handedly developed an application using Elasticsearch, Java and Kibana to analyze *live* email log data.
  - Developed a distributed web-application to reserve workspaces using MongoDB and node.js. To ensure high availability and latency of the system, application was deployed on the 4 nodes and database was distributed over 6 shards.
  - **Technologies:** Java, BPEL, ELK, node.js, MongoDB, R, Tableau
- **Software Engineer Trainee**, [PurpleBits InfoSystems Pvt. Ltd.](#) Dec`14 - Apr`15
  - Worked on digitalizing million+ 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](#) funded this project for further development.
  - **Technologies:** Java, PHP, javascript
- **Stock and inventory software** Dec`12 - Apr`13
  - This software was developed using Java to maintain stock and inventory information of a boiler company in Surat, India .
- **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, Python, MongoDB, MySQL, Hadoop mapreduce, spark, OpenCV, R, C, Elasticsearch, Kibana
- **Web-centric Skills:** Javascript, Node.js, PHP, Wordpress, ASP.Net, HTML5/CSS3, 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 a website of [Felicific'14](#), an annual techno-cultural festival of the university.
- **Designing Head** for [Computer Society of India-Student Branch, DDU](#) for 2 years.
- **Coordinator** for a web-voyage event in [Felicific'14](#) (university annual technical event).
- **Coordinator & Educator** at Becoming I Foundation NGO to teach underprivileged children.