Kartikeya Shukla

Boston, MA | Ph.no: +18572773974
Email: kartikeya.1989@gmail.com

LinkedIn: /in/kartikeyashukla19
Website: kartikeyashukla.com
GitHub: github.com/Qartks89

EDUCATION SUMMARY

Northeastern University, Boston, MA   Sept 2014 – Dec 2016
Master of Science in Computer Science, GPA 3.6/4.0
Related Courses: Machine Learning, Algorithms, Computer Systems, Data Mining, Web Development,
Computer Graphics, Program Design Paradigms, Foundations of Artificial Intelligence.

Jaypee University of Engineering & Technology, India   July 2007 – June 2011
Bachelor of Technology in Computer Science Engineering

TECHNICAL KNOWLEDGE

Languages:	Java, C, C++, Python, R, Processing, HTML5, CSS3, JavaScript
Web/Frameworks:	AngularJS, ReactJS, Redux, NodeJS, Express, Redis, Nginx, AWS, Firebase, D3, Three.js
Databases:	Oracle 10g, MySQL, MongoDB, PostgreSQL

WORK EXPERIENCE

Cruise Automation, San Francisco, CA   Dec 2017 – Present
Software Development Engineer in Test

- Collaborating with Simulation and Mapping teams to implement new CI/Software workflows and assist in assigned feature development.

LaunchByte.io, Boston, MA   Apr 2017 – Nov 2017
Software Engineer

- Collaborated with startup founders to design high level architecture, wireframes and technical designs for web and mobile apps.
- Took up the role of Project Manager, creating Project Plans to keep track of weekly sprints and overseeing the development process for two offshore teams, with 10+ members.
- Spearheaded mobile development, IOS and Android, for Worthee; community app for hourly workers.
- Revamped the internal processes for design and development by researching and introducing tools such as Asana, Sketch, Zeplin etc.
- Supervised and mentored Software Engineering interns. Responsible for assigning tasks, performing code reviews etc.
- Designing and implementing the LaunchByte.io platform, using React. The platform aims to help founders kickstart their startups autonomously and includes custom business logic, integration of third party APIs such as Google Calendar, Asana, Slack, Stripe etc.
- Implementing all of LaunchByte.io websites, including the official website, product pages, blog, and intranet.

NVIDIA, Santa Clara, CA   Jan 2016 – Aug 2016
Graphics Software Intern

- Developed a text rendering utility in OpenGL ES. This utility is now being used as the standard solution for NVIDIAs' companywide automated testing application, thereby increasing efficiency for engineers to identify potential impacts of code changes.
- Worked with the Automotive Embedded Graphics team, and contributed to 15+ EGL and Linux bug fixes, along with OpenGL ES enhancements on client-specific demos and POCs.
- Integrated ccache to the code base to reduce build times by 35%, for the Embedded-Linux workforce.

Accenture, Bangalore, India   July 2011 – May 2014
Software Engineering Analyst – Promoted from Associate Software Engineer

- Proposed and implemented major process improvement initiatives for client-specific scheduled activities, by developing workflows in PPM and PL/SQL, which reduced effort hours by 85%.
- Formulated a process to migrate client project planning data, spearheaded the migration to production with zero defects for 15 clients.
- Developed an Excel macro utility using VB.NET which reduced time, by 90%, for performing pre-migration activities.

PROJECTS

Machine Learning - Java   bit.ly/MLAlgos

- Implemented an email spam classifier by implementing various machine learning algorithms like Decision trees, Linear and Logistic Regression, KNN and Active learning.
- Implemented an Image Recognition system using HAAR feature extraction, ECOC algorithm coupled with SMO and Adaptive Boosting techniques. Achieved 95% accuracy.
- Developed three-layered Neural Network to solve Auto Encoder-Decoder problem.

Connexion - MEAN Stack   bit.ly/ConnexionApp

- Developed a social web application to help people collaborate, share recommendations and search for events and groups.
- Designed the architecture and implemented the server-side components and APIs with NodeJS and MongoDB using MongooseJS.
- Developed the front-end using AngularJS, Bootstrap and integrated with third-party APIs incl. Twitter, Flickr, Google Maps.

Computer Systems - C   bit.ly/fileSystems

- Implemented a filesystem, a simple derivative of the Unix FFS file system using the FUSE toolkit in Linux, with read/write command-line capabilities to interact with the kernel.