

ABHISHEK MUGAL

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SUMMARY

Graduate student with a professional experience of three years in Full Stack Web and Product Development, currently seeking full-time internship opportunities for May 2020.

EDUCATION

Master of Computer Science

Arizona State University, Tempe, AZ

Graduating May 2021

GPA: N/A

Courses: Multimedia and Web Databases, Data Processing at Scale, Software Requirements and Specifications

Bachelor of Technology, Computer Engineering

College of Engineering Pune (COEP), Pune, India

Graduated May 2016

GPA: 8.09 / 10

Courses: Database Management Systems, Web Technologies, Data Structures and Algorithms, Computer Networks

TECHNICAL SKILLS

Programming: PHP, Python, Java, C

Web Development: CakePHP, JavaScript, jQuery, HTML5, CSS3, Bootstrap, Vue.js

Tools: WordPress, MySQL, PostgreSQL, GitHub, API, JSON, AJAX, Eclipse

Server Tools: AWS, Azure, Apache, Nginx, SSL, DNS, Mod-Security, DevOps, Linux

Other: MVC design pattern, Agile development, Trello, JIRA, Photoshop, Backlog

PROFESSIONAL EXPERIENCE

Lead Full Stack Web Engineer: Internet Business Japan Co. Ltd. (IBJ), Tokyo, Japan

Sep 2016 – May 2019

- Created high-end, agile, scalable, and robust Web Applications and Systems for clients from various industries
- Led a team of three to design system and database architecture, optimize system flow, govern front-end and back-end for Web Applications like Content Management Systems (CMS)
- Collaborated in continuous improvement by creating and enhancing in-house developed CMS's features like security, compatibility, maintainability, and user-friendliness like UI/UX
- Engineered numerous RestAPIs and web services over HTTP to simplify client-side software in Web Applications
- Implemented AWS based cloud system to deploy CMS swiftly to the clients. Recognized by the President as the "Best Product of 2018" which increased company's sales by 40%
- Managed System Security and DevOps adopting Apache and Nginx web servers, AWS and Microsoft Azure services
- Regulated the use of DRY, SOLID, KISS, SRP software design principles helping engineers to collaborate easily
- Gathered software requirements, planned software development cycle, and fabricated system design
- Technologies: CakePHP (MVC), PHP, JavaScript, jQuery, HTML5, CSS3, Bootstrap, SQL, MySQL, AWS, Apache, Mod-Security, APIs, Linux, SSL

Web Developer Intern: Amdocs, Pune, India

Jun 2015 – Jul 2015

- Programmed an intra-domain Web System using WordPress to manage assorted internal events at Amdocs
- Reduced the efforts of the event organizers to manage event activities by 30% and received special appreciation
- Technologies: WordPress, PHP, HTML5, CSS3, jQuery

ACADEMIC PROJECTS

COEP, Road Traffic Prediction using Neural Networks

Sep 2015 – Jan 2016

- Designed and realized "Prediction Model" using Neural Networks in python to predict road traffic in real time
- Developed a new way to predict road traffic and optimized it to obtain an accuracy of 98%
- Published as a research paper in IEEE's 2016 International Conference on Computing, Analytics and Security Trends

ACTIVITIES

- COEP Student Placement Coordinator for Campus Placement activities **Aug 2015 – Mar 2016**
- COEP Web Team Head, designed and developed a website for College Sports Event "Zest" **Aug 2014 – Jan 2015**
- COEP Event Organizer, organized a 45 days College Boat Club's Event "Regatta" **Sep 2013 – Mar 2014**