AKHILESH MANTRIPRAGADA

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EDUCATION

Bachelor of Science in Computer Science and Software Engineering
University of Texas at San Antonio, 2010 – 2014; *Cumulative GPA: 3.91, Major GPA: 4.0*

- *Summa Cum Laude*; President's List for 7 consecutive semesters
- Highest Honors from Honors College with Thesis entitled "Edulinc: Powerful Collaboration Tool for Schools"
- Received 2 research and travel grants to work on Edulinc and present my research at national conferences including National Conference for Undergraduate Research
- Received 8 scholarships and awards including the prestigious and highly competitive Presidential Honors Scholarship and College of Science Dean's Fund Excellence Award
- Awarded the University Life Award for the Most Outstanding Student at College of Sciences at UTSA

Master of Science in Computer Science
Columbia University, 2014 – 2015; *Cumulative GPA: 3.78*

- Software Systems track under the supervision of Dr. Henning Schulzrinne (CTO @ FCC) and Dr. Ken Ross
- TA for Programming Environments & Software Systems and Programming for Entrepreneurs

EXPERIENCE

Founder, Edulinc (Independent Project)
New York, NY; October 2014 – August 2015

Edulinc is a free organization and collaboration tool for students and instructors. Edulinc integrates with Dropbox, GitHub and course management systems to bring all relevant resources to one place and make collaboration among Students and Instructors less painful. Students and Instructors can work on assignments and projects and store them for posterity in the form of portfolios. Currently used at 3 universities and 1 charter school in US. Edulinc was built with one overarching goal in mind: To Deliver Best UX for Academia.

- Built and led a team of 3 developers (1 remote developer). Managed dependencies, prioritized feature set and allotted tasks to achieve maximum efficiency.
- Designed (UI and architecture), and implemented Edulinc's core features and built a mechanism for students to continue developing other features for Edulinc (in collaboration with the select Instructors).
- Led the team through two pivots, and devised strategies to capture relevant feedback from users
- Designed A/B test experiments to deliver the best UX for students and instructors.

CEO and Co-Founder, Intuitive Inventions LLP
Bangalore, India; August 2013 - December 2014

- Built and led a team of 2 developers and 1 designer (Remote team)
- Gathered requirements for the Quantitative Literacy Course Data Submission(QLCDS) web portal from over 25 different instructors/program coordinators and translated them into easy to use features to cater to instructors from different backgrounds
- Designed, implemented and deployed the QLCDS web portal to efficiently capture student data; QLCDS is now being used by over 150 professors for 75 courses at UTSA and reduced workload by more than 3/4th

Web Engineer, Quantitative Literacy Program(QLP), UTSA
San Antonio, TX; December 2012 - May 2014

- Analyzed and interpreted datasets collected by the program. The interpretations and inferences made were used to make recommendations to course coordinators
- Designed and implemented a content management system to manage the department website
- Reported directly to the Director of QLP

RELEVANT PROJECTS

Phone Number Allocation Project, Columbia University
New York, NY; January 2015 – June 2015

- Implemented an end-to-end Laravel Application
- Designed and implemented a distributed number allocation, generation and maintenance system based on PAXOS consensus protocol and Gossip protocol
- Worked with Dr. Henning Schulzrinne (CTO @ FCC)
- Technology: PHP, Laravel, CSS3, HTML5, JS, jQuery

PSAP Database, Course Project, Columbia University
New York, NY; September 2014 – December 2014

- Implemented an end-to-end Laravel Application
- PSAP Database serves as a tool to aid the FCC in evaluating the state of PSAP readiness and E9-1-1 deployment
- Used Test first development ideology to design and implement the project
- Worked with Dr. Henning Schulzrinne (CTO @ FCC)
- Technology: PHP, Laravel, CSS3, HTML, JS, jQuery.

BoardBaby, Independent Project
San Antonio; January 2014 – May 2014

- Designed and led the development of a web applications for parents of babies
- Recruited (students) a technical and business team of 7 to develop and distribute Board Baby
- Placed 3rd (over 50 teams) in a $100K business plan competition held at UTSA.

OTHER EXPERIENCE

Math Tutor and Computer Science TA
San Antonio, TX; September 2011 - May 2013

- Tutored and graded over 350 students in College Algebra, Pre-Calculus, Calculus, Intro to Programming II and Data Structures

Degree Plan Achievement Analysis Developer, OIT, UTSA
San Antonio, TX; October 2012 - May 2013

- Designed, developed and implemented the DPAA prototype: a web portal that allows students to plan their courses at UTSA by providing them suggestions based on their major, GPA and interests. DPAA was one of the first student made software
- DPAA has now been scaled to accommodate the 30,000 UTSA student population (now called Degree Map)

Accounting Intern, Tesco
Bangalore, India; June 2012 – July 2012

- Determined cash loss across all stores in Hungary, Czech Republic and Slovakia. Collaborated with managers from different teams and reported to Head of Finance at Bangalore

SKILLS

	Aware	Good	Adept
PHP	— —	— —	— —
MySQL	— —	— —	— —
SQL	— —	— —	— —
Java	— —	— —	— — ·
C	— —	— —	—
HTML5	— —	— —	—
CSS3	— —	— —	—
JavaScript	— —	— —	
jQuery	— —	— —	
Scrum	— —	— —	—
Laravel	— —	— —	—
PHP Framework			
LAMP & MAMP	— —	— —	—
Design/UX	— —	— —	—

Familiarity with Python, CakePHP, Zend, MongoDB, Vue.js, React.js, GitHub and A/B Testing

RELEVANT COURSEWORK

- Data Structures (TA)
- Programming Environments and Software Tools (TA)
- Intro to Programming II (TA)
- Discrete Math
- Systems Programming
- Operating Systems
- Project Management
- Analysis of Algorithms
- Computer Organization
- Programming Languages
- Software Engineering
- Introduction to Database Management
- Artificial Intelligence
- User Interface
- Computer Architecture
- Internet Tech Econ Policy
- Database Systems Implementation
- Complexity Learning Theory
- Micro- and Macro Economics, and Economics: Managerial Decisions

Please visit **www.linkedin.com/in/akhileshmantripragada** for more information about my projects.