



KP

KESHAV PRATEEK PANDEY

SOFTWARE ENGINEER | KESHAVPANDEY.AZUREWEBSITES.NET |
GITHUB.COM/KESHAV-PANDEY

AREAS OF INTEREST

Human Computer
Interaction
Artificial Intelligence
Augmented Reality
Virtual Reality
Applied Machine Learning

SKILLS

- Languages: Java,
C#, C, C++ ,VB,
Python, ARM
Assembly language
- Databases -
MySQL,
PostgreSQL,
Microsoft SQL
- Web Tech - HTML,
CSS, JS, PHP, JSP,
Servlets, IIS, WAMP,
XAMP, Angular,
DOJO MVC,
ASP.NET MVC, Web
Forms

EXPERIENCE

SOFTWARE ENGINEER • INTUIT • AUG 2016 – ONGOING

- Developed Asynchronous subscription services, improving performance by 40%.
- Decomposition of monolith architecture to micro-service architecture
- Visualization to aid and track decomposition efforts used by the entire Small Business Group
- Won hackathon with the implementation of Conversational-UI aimed at boosting developer productivity
- Designed and developed the product experience of billing pages in QuickBooks Online
- Prototyped and explored triple accounting with Blockchain
- Peer Pool: Implemented an in company pooling project as a part of the Green Initiative.
- Core Member of the Next Generation Network: Focused on engaging the Intuit community with variety of technical activities like In24HrHackathon, Tech Talks
- Core Member of the Great Place to Work Network: Intuit India was ranked #1 for 2016

SOFTWARE ENGINEER CO-OP • INTUIT • JAN 2016 – JUN 2016

Development of robust new billing system, which integrates all previous non interoperable billing systems and provides unique features across multiple markets and different Intuit products.

SOFTWARE ENGINEER INTERN • INTUIT • JUN 2015 – JUL 2015

Development of a common framework to automate mobile apps (Mint,Quicken) on multiple platforms (Android,IOS,Windows Phone) cutting down development efforts by 200%



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- Rapid Prototyping:
Drupal,
Dreamweaver.
- Mobile Application
Development :
Android, Windows
Phone, Windows,
Xamarin
- Testing
Frameworks : Junit,
TestNG, Appium,
Selenium

VOLUNTEERING

- At Intuit, we
adopted villages,
provided them
education,
collected funds for
them and continue
to help them
become self-reliant
- As an active
member of the
Collegiate Social
Responsibility club
of PESIT, I visited
government
schools every week
to tutor
underprivileged
children

SOFTWARE ENGINEER INTERN • ADVANT-TECH SERVICES • DEC 2012 – JUN 2016

Development of reverse auction system for perishable goods
used by International Flower Auction Bangalore

Development of cloud based multi-tenant institute
management ERP.

MEMBER TECHNICAL STAFF • ORDELL UGO, PES INSTITUTE OF TECHNOLOGY • DEC 2012 – JUN 2016

Published in the areas of compression, text analysis, event
management.

EDUCATION

**B.E COMPUTER SCIENCE & ENGINEERING • 2012-16 • PES INSTITUTE
OF TECHNOLOGY, BANGALORE, INDIA**
CGPA: 8.7

**CENTRAL BOARD OF SECONDARY EDUCATION CLASS 12 •
NATIONAL HILL VIEW PUBLIC SCHOOL, BANGALORE, INDIA**
Overall – 82.4% • Information Practices – 99%
English – 94%

**CENTRAL BOARD OF SECONDARY EDUCATION CLASS 10 •
NATIONAL HILL VIEW PUBLIC SCHOOL, BANGALORE, INDIA**
CGPA: 9.2

PUBLICATIONS

*OU'NANO: A novel method and framework to optimize the
utilization of digital communication channel and storage
resources for textual based transactions*, presented at the
IEEE IEOM 2015 Conference, Dubai, UAE. [Publisher: IEEE]

*Auto-Segmentation and Content Management for efficient,
personal, event accommodation and integration for
effective collaborative work*. Presented at the 8th IATED
International Technology, Education and Development
Conference 2014 at Valencia, Spain. [Publisher: IATED]



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PROJECTS

A Graphical Environment for Serious Games · Guided by Dr. Viraj Kumar

A project in collaboration with Tata Institute of Social Science and Massachusetts Institute of Technology. Our project aimed to incentivize learning and teach students concepts through limited technical resources and connectivity across 8 states in India, impacting hundreds of thousands of students. We used crowdsourcing of questions, innovative interactions with computers and gamification to help students learn.

OU'Social Network Analysis · Guided by HOD CSE, Prof. Nitin V Pujari

A new approach at social network analysis using network theory. Provides SNA metric analysis over various parameters.

Key Management in Cloud systems · Guided by Dr. Dinkar Sitaram

Provide KMIP compliance in Barbican Open Stack Framework and allow for communication with Propriety IBM Key Management services (TKLM) to enhance management of keys.

Cricket Math Summary Generation · Guided by Dr. Dinkar Sitaram

A match simulation, prediction, summary framework based on Big Data Analytics and Applied Machine learning.

Teacher Interaction Analysis · Guided by HOD CSE, Prof. Nitin V Pujari

Developed metrics for analyzing the effectiveness of teaching methodologies through actions, interactions, gestures and activeness of entities involved.

Medicinal search engine using linked datasets · Guided by Prof. Srikanth HR

Developed a specialized search, which is context aware and provides detailed information on topics relevant to medicines and diseases such as scientific names, local names, prices, alternatives, side effects etc.

Pollspot · Senior Developer, Student Nokia Developer

A social platform for opinion analytics which helps users decide and generates actionable information. It supports visualization of data targeting decision making based on region, sex, intentions, age, nationality and other demographics. Selected to present at Indian Institute of Management, Bangalore.



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