

EDUCATION

University Of Maryland, College Park

(M.Eng) Masters Software Engineering

GPA: 3.67/4.0

Jan. 2019 to Present

Punjab National Bank Institute of Information Technology

(PGDM) Advance Post-Graduate Diploma Information & Banking Technology

GPA: 3.7/4.0

Apr. 2015 to Apr. 2016

Kurukshetra University

(B.Tech) Bachelor's of Technology Computer Science

GPA: 3.6/4.0

Aug. 2008 to May 2012

TECHNICAL SKILLS

Programming Languages: R, SQL/PLSQL, PYTHON, HTML/CSS, BOOTSTRAP, PHP, JAVASCRIPT

Databases: MySQL, Oracle, SQL, HP-UX, PostgreSQL

Business Analysis Techniques: Requirements Elicitation, Requirements Analysis, Data Analysis, Agile Development, Data Visualization, Information & Data Architecture, Unit/Web Testing

Other Tools: GitHub, Oracle Forms & Reports, Microsoft Office Suite & Project, R Studio, Putty, XAMPP, PyCharm, VS Code, Financial Oracle(Finacle), Rmarkdown, Unix/Linux, Gradle, Selenium/Cypress, IntelliJ, Junit

EMPLOYMENT

College of Information Studies, University of Maryland · College Park, Maryland Graduate School Teaching Assistant

Jan. 2020 to Present

Course: INST408F (Special Topics in Information Science; Health Data Analytics)

Course: INST326 (Object-Oriented Programming for Information Science)

- Creating & overseeing lesson plans/preparations & grading of assignments.
- Documenting progress/ holding Students doubt sessions & discussions.

Hewlett Packard India Pvt. Ltd. · Bhubaneswar, India

May 2016 to June 2018

Application Support & Customization Engineer L3 (Data Centre)

- Attained oral and written calls lodged by branches and offered the right solutions within TAT specified by HP.
- Performed the sysadmin jobs such as scheduling tasks using crontabs, backups/cleaning tmp/directories, querying, user rights assignment and security.
- Maintained data integrity through data analysis and cleaning for better system performance. Identified and controlled redundancy in customer records up to 95%. Eliminated around 230k redundant data records from the bank database.
- Providing level 2/3 support and perform basic banking application troubleshooting.
- Informing end users of changes in databases and training them to utilize systems.
- Uploaded newly developed patches and checked the processes in the Unix platform & performed required updates in the system (Production, MIS & UAT), if necessary.
- Changed/updated the report formats as per the requirements of the client by creating/updating the requisite MRT's /COM's / SCR's / SQL's.

AWARDS

Odisha Gramya Bank · Appreciation Award

Feb. 2017

Received 3 letters of appreciation for maintaining the MIS of the client single handily and providing all the crucial reports to the Gov. of INDIA and Financial Inclusion Dept. of INDIA during the major Indian Demonetization Period i.e. NOV 2016 till JAN 2017.

ACADEMIC PROJECTS

Visitor Log Book

Spring 2020

Course: Programming on Web

- Developed a web-application named as "Visitor LogBook", designed to keep track of visitors and vendors entering your facility. A regular user can add, edit & search details however for the deletion of any record user can raise a ticket to the Admin of the system.
- The technologies used to build the system are HTML/CSS, Bootstrap, Javascript, jquery, PHP & MySQL.

Project Testudo: Data Analysis

Fall 2019

Course: Data Analytics for Information Professionals

- Successfully concluded an observational myth-busting study where data was randomly gathered, broken out, and analyzed using different R computations.
- Created a designated questionnaire using various independent variables in order to identify the predictors and successfully used the same for gathering data of almost 200 university students. Conducted explicit interviews with students, and recorded their responses thereby using it to conclude the studies.

BindMind Database: Online Learning Management System

Fall 2019

Course: Database Design & Implementation

- Designed the database of an Online yoga learning system using MySQL and XAMPP.
- Forward engineered the logical design to create the physical database using MySQL workbench.
- Performed Feasibility analysis of implementing the database on an alternative platform/paradigm.

BindMind: Online Yoga Learning Management System

Fall 2019

Course: Software Design & Implementation

- Worked as Detailed Design Lead in a team of 6 members developing online yoga learning platform i.e. BindMind which enables the users and the instructors to share messages, discussions, and other course contents like quizzes, certifications, etc. The application was developed using HTML5, CSS, Angular 8, WebStorm/IntelliJ IDEA/VS Code, Eclipse and MySQL as database and Git as version control.
- Handled all the design-related process & issues using BPMN, Balsamic, Adobe XD, CPN, wireframes.
- Developed the system requirements, user stories, Personas & abuse cases for a better understanding of the domain.

Organizational Recreation & Wellness Project

Spring 2019

Course: Managing Software Engineering Projects

- Successfully managed the team of 6 members as their project manager as well as completed all the assigned tasks on time with above the average results from the class.
- Developed the various project artifacts' such as Project Charter, Business Plan, Gantt Charts, Stake Holder Strategies, Scope Statement, Work Breakdown Statement, RASI Responsibility Assignment Matrix, Earned Value graphs, Cost budgets & estimates, Pareto Charts, IDEF, User acceptance documents using Integrated Lean Project Management (ILPM) framework which is an implementation-oriented hybrid of traditional Project Management Institute (PMI) and Agile project management paradigms.

HealthMaster Medical Application

Spring 2019

Course: System & Software Requirements

- Developed the SRS document for a medical application named HealthMaster. Performed different requirements analysis and development techniques and methods such as user stories, Interviews, Gap analysis, reviews & brainstorming. Developed the business process model using BPMN, UML, RAD.