

Archana JV

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EDUCATION

Jawaharlal Nehru National College of Engineering	<i>Karnataka, India</i>
B.E. (Information Science engineering) 5.7/10	<i>07/14-11/17</i>
D V S Composite College Higher Secondary 7.8/10	<i>2012-2013</i>
Swamy Vivekananda English High School Secondary 7.4/10	<i>2010-2011</i>

ACADEMIC PROJECTS

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| Detection of Tumour using Image processing | <i>04/16-01/17</i> |
| <ul style="list-style-type: none">Sample data (MRI images) collected from private hospitals. In the first stage the input image is converted to grey scale using binary thresholding and the spots are detected.Developed application in MATLAB software where tumour is detected via image processing technique. | |
| Library data management system | <i>03/15-01/16</i> |
| <ul style="list-style-type: none">A mini project on designing a DATABASE for Library management system using MYSQL.Developed web application that keeps track of all the information about the books in the library | |

PROFESSIONAL PROJECTS

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| DShare Application | <i>07/21-02/22</i> |
| <ul style="list-style-type: none">Discovering Wi-Fi and Bluetooth devices and listing in GUI and context menu handlers.Advertising Wi-Fi direct and Bluetooth for file transfer between two devices.Created context menu options using registry keys entries for decryption and file transfer. MVVM design pattern followed for data binding of UI elements. | |
| PAX | <i>08/20-07/21</i> |
| <ul style="list-style-type: none">This is PLC automation project, a digital computer used to control machinery by constantly monitoring input and output device.Data is stored in local database from web API calls via software. Writing and reading information to RFID tags using near field communication technique. | |
| Laparoscopy Medical Project | <i>08/18-03/19</i> |
| <ul style="list-style-type: none">Laparoscopy is an operation performed in the abdomen or pelvis using small incisions with the aid of a camera. Integrated Basler Pylon Camera in software.Developed entire application in QT framework. GUI in QML. OpenCV libraries. | |

WORK EXPERIENCE

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| Associate Consultant, Capgemini, Bangalore, India | <i>11/21-Till date</i> |
| <ul style="list-style-type: none">Documented and tested new software applications in C++ and C#.Performed competitor research to fuel new feature development.Testing software and fixing problems and maintaining systems once they're up and runningBeing a part of technical designing Integrated software components, Producing efficient codes | |
| Embedded Software Programmer, RAAD Systems Pvt. Ltd, Bangalore, India | <i>07/18-11/21</i> |
| <ul style="list-style-type: none">Identifying areas for modification in existing programs and subsequently developing these modificationsDesigned, developed, and troubleshoot software programs for databases and applications in .net, C#, C++, and SQL.Developed software components in C# based on functional requirements and specifications.Adapted front-end technologies to follow back-end development. | |

EXTRACURRICULAR ACTIVITIES

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| Coordinator, Department magazine "KAUSHALYA DEEPA" |
| <ul style="list-style-type: none">Published the book during final year. |
| Volunteer, NGO- Kodachadri Integrated Development Society |
| <ul style="list-style-type: none">Focuses on creating environmental awareness programs while giving informative presentations and interacting with school students. |

PRACTICAL SKILLS

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| Languages | English Hindi Kannada |
| ICT | C, C++, C# .Net, XAML, QML, MVVM, Java and MVC. |
| Tools | Qt Widget, Qt Quick, Visual Studio (WPF, WinForms, MFC), Lab Windows and MP Lab. |

Karnataka, India.